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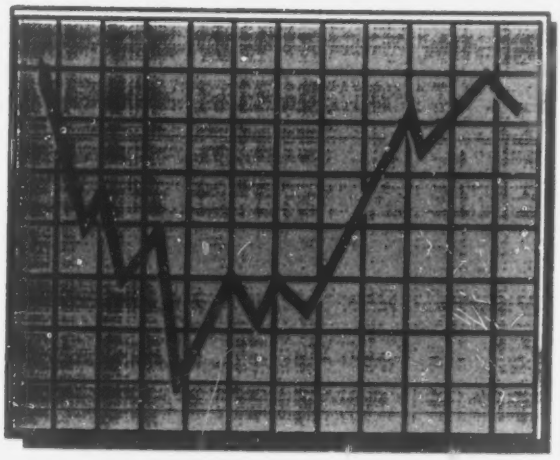
Edward D. DiPrete
Governor

Labor Market Information for Rhode Island Planners

John S. Renza
Director

June 1990



Rhode Island
Department of Employment and Training

RHODE ISLAND DEPARTMENT OF EMPLOYMENT AND TRAINING

101 Friendship Street

Providence, RI 02903

LABOR MARKET INFORMATION

FOR

RHODE ISLAND PLANNERS

JUNE 1990

A Product of the Labor Market Information Division - 401-277-3706

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PREFACE

This **LABOR MARKET INFORMATION FOR RHODE ISLAND PLANNERS REPORT** is designed to provide historical, current, and outlook information for use by employment and training program planners in developing programs and job training plans for the coming program year. It includes information on and analysis of employment, unemployment, the insured unemployed, population trends, occupational trends and outlook.

The **LABOR MARKET INFORMATION FOR RHODE ISLAND PLANNERS REPORT** is just one of a number of Department of Employment and Training publications that can serve as a reference tool for economic policy-makers and practitioners, researchers and those in the community with an interest in employment and training issues.

Section 1. Description of State

A. General Information

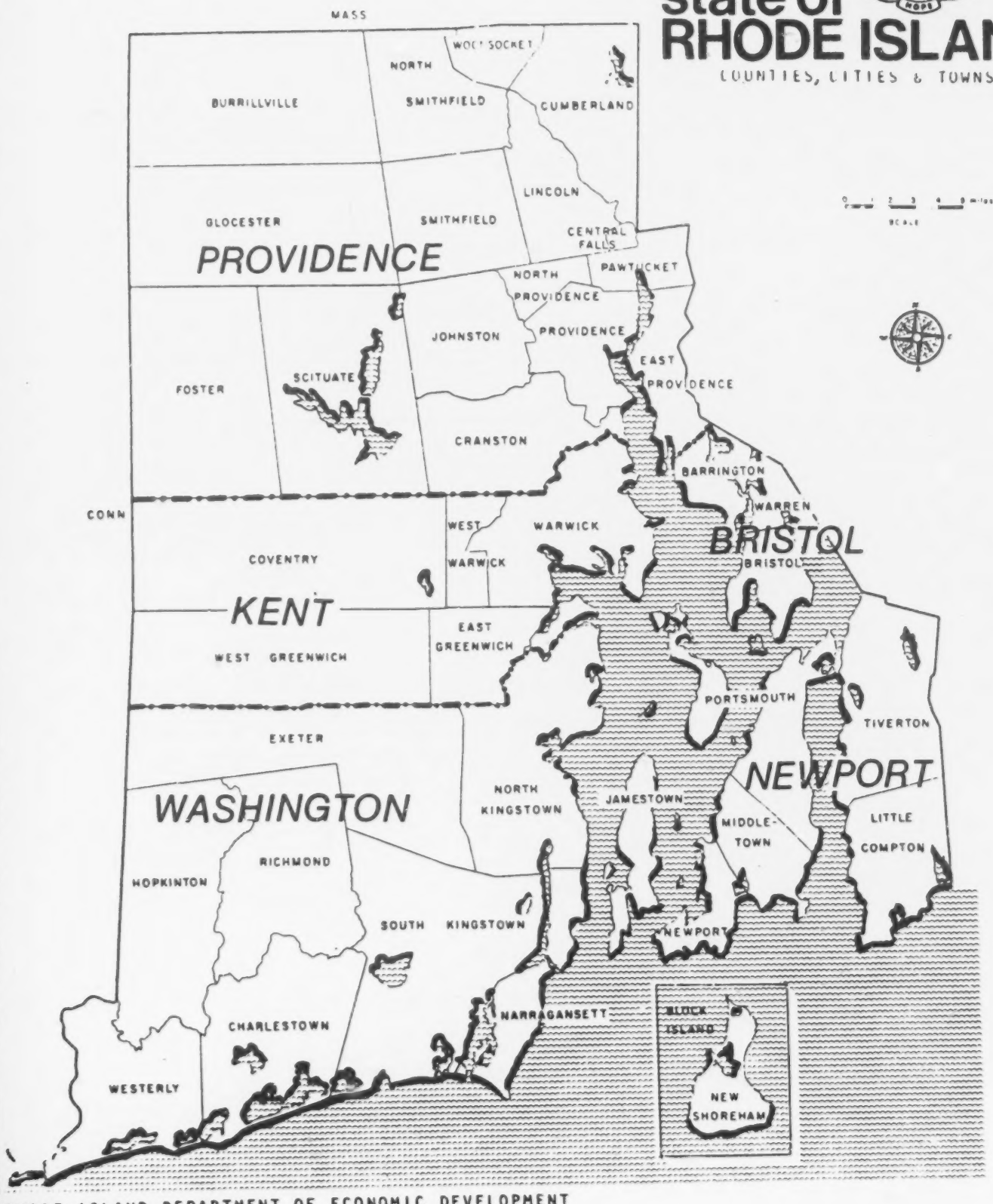
Rhode Island, with a total land area of 1,058 square miles, the smallest for any state, had an estimated population of 993,000 as of July 1, 1988. The state, whose physical size is comparable to that of the average U.S. County, has often been called a "City-State".

Rhode Island consists of five counties: Bristol, Kent, Newport, Providence and Washington, the largest of these being Providence County, with a 1988 population estimate of 595,100. The State capital is the City of Providence, which had a 1988 estimated population figure of 156,160. Four other cities in the State had a 1988 population estimate greater than 50,000: Warwick, the State's second largest city, with 86,740; Cranston, with 75,800; Pawtucket, with 73,680 and East Providence, 51,800.

Rhode Island enjoys several distinctions; it is the birthplace of textile manufacturing in the United States, as well as the location of the Newport to Bermuda Yacht Races, and the Tennis Hall of Fame. The port of Providence is an excellent deep water port, with immediate access to air and rail facilities. The interstate highway system makes the State pivotal to the Northeast and to the Mid-Atlantic States.

state of RHODE ISLAND

COUNTIES, CITIES & TOWNS



RHODE ISLAND DEPARTMENT OF ECONOMIC DEVELOPMENT

B. Population Trends

According to 1980 Census statistics, Rhode Island's overall population totalled 947,154, representing a decrease of 2,569 or 0.3 percent from the 1970 census estimate of 949,723, while the nation experienced a significant population gain of 11.4 percent for the same period. Although the civilian population of Rhode Island actually increased by nearly 4.0 percent (about 32,500 people) over the 10 year span, this gain was more than offset by the closing of navy installations in the early 1970's which resulted in the outmigration of military personnel and their families (about 35,000 people).

Population Change 1970-1980 in the United States and Rhode Island

Area	1970 Population	1980 Population	Net Change	Percent Change
United States	203,302,031	226,545,805	+ 23,243,774	+ 11.4
Rhode Island	949,723	947,154	-2,569	- 0.3

Population projection data prepared by the Rhode Island Division of Statewide Planning show that from 1980 to 1990 the state's overall population increased by 5.9 percent to an estimated 1,002,645. While Rhode Island's population is expected to experience continued growth into the year 2000, it is projected that it will be at a slower rate than in the past decade.

According to the Division of Statewide Planning's projected data, total population will increase by 34,755 or 3.5 percent from 1990 to 2000 and will be accompanied by a changing population composition. The projections indicate that there will be an overall decline in the young entry-level workers (15-24 years of age) category. In addition, a small decline is expected in workers 25 to 44 years of age. The shrinking youth labor force should produce an increased demand and more job opportunities for older workers.

POPULATION BY AGE GROUP, 1980 TO 1990, RHODE ISLAND

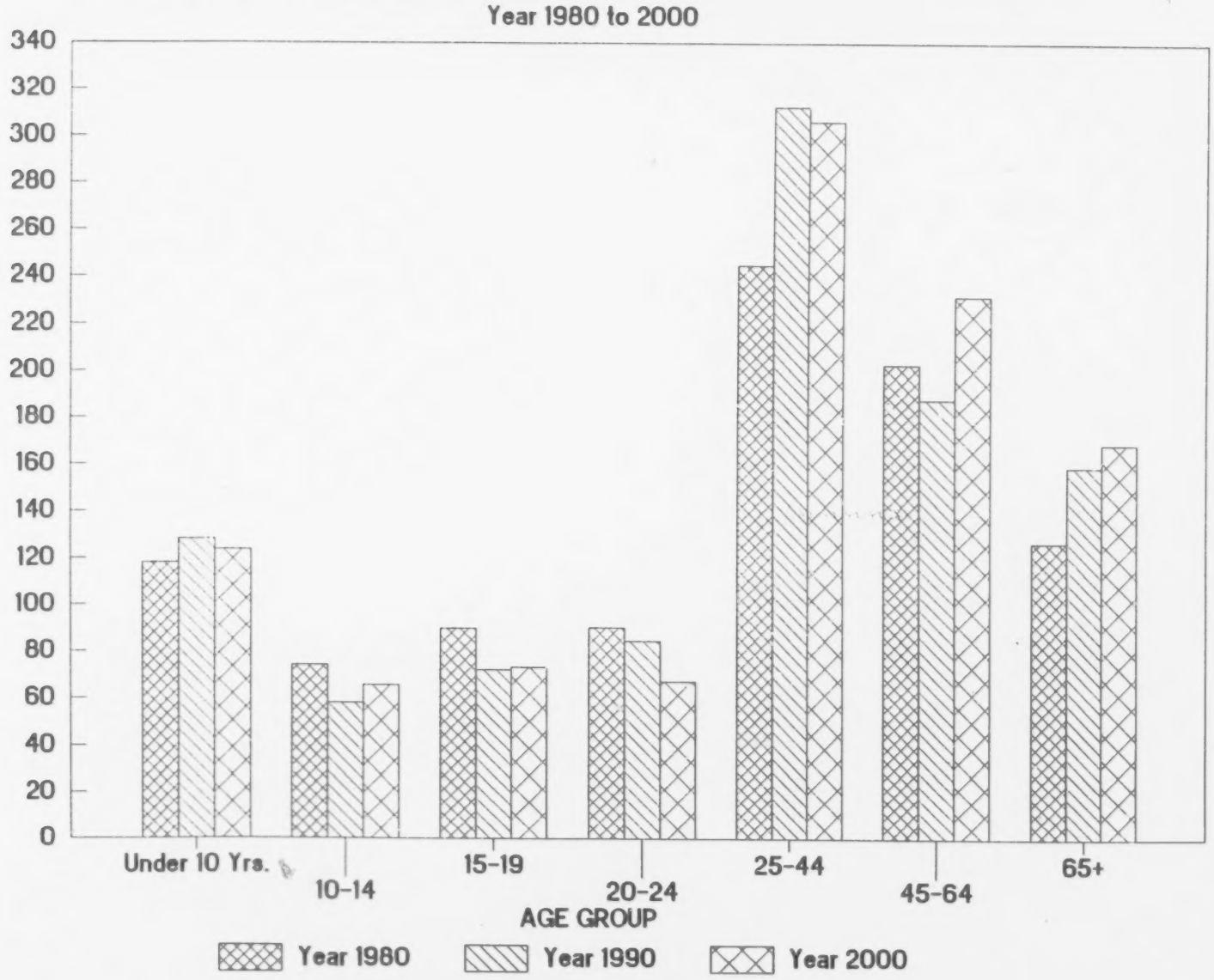
	1980	1990	Net Change	Percent Change
Total	947,154	1,002,645	55,941	5.9
Under 10 Yrs.	118,157	128,090	9,933	8.4
10-14	74,170	58,013	- 16,157	- 21.8
15-19	89,773	72,251	- 17,522	- 19.5
20-24	90,231	84,563	- 5,668	- 6.3
25-44	244,898	312,446	67,548	27.6
45-64	203,003	188,098	- 14,905	- 7.3
65+	126,922	159,184	32,262	25.4

POPULATION BY AGE GROUP, 1990 TO 2000, RHODE ISLAND

	1990	2000	Net Change	Percent Change
Total	1,002,645	1,037,400	34,755	3.5
Under 10 Yrs.	128,090	123,625	- 4,465	- 3.5
10-14	58,013	65,835	7,822	13.5
15-19	72,251	73,208	957	1.3
20-24	84,563	67,559	-17,004	- 20.1
25-44	312,446	306,250	- 6,196	- 2.0
45-64	188,098	231,930	43,832	23.3
65+	159,184	168,993	9,809	6.2

SOURCES: U.S. Bureau of the Census.
Division of Statewide Planning,
R.I. Department of Administration.

RHODE ISLAND POPULATION BY AGE GROUP



C. Recent Economic Developments

The Rhode Island economy, like that of the entire New England region slowed somewhat in 1989 compared to its strong performance over the past few years. Nonfarm employment grew by only 1,600 or 0.3 percent to an average 461,200 in 1989 compared to an increase of 7,600 or 1.7 percent in 1988. Moderate increases were recorded in both the jobless level and the unemployment rate The state's average unadjusted unemployment rate rose from 1988's post World War II low of 3.0 percent to an average of 4.0 percent for all of 1989.

Recent economic trends and the outlook are examined in greater detail in Sections 2, 3 and 4 of this report. Tables illustrating trends in nonagricultural wage and salary establishment employment, by industry, are presented in Section 2. Tables illustrating occupational demand and projected job openings are presented in Section 3. Tables illustrating historical labor force and unemployment trends are presented in Section 4.

Section 2. Economic Developments and Outlook by Industry

A. Recent Developments

Total nonagricultural wage and salary jobs averaged 461,200 for calendar year 1989, which was 1,600 or 0.3 percent higher than in 1988. While the number of nonfarm jobs reached a 1989 peak of 468,700 in June, this figure was still 300 below the record high level of 469,000 reported in December 1988. The overall number of wage and salary jobs recorded for each month from July to December was below its respective 1988 figure.

The 1989 slowdown in the state's job growth resulted largely from significant job declines in the Goods Producing sector. In contrast, the Service Producing sector, added 6,700 jobs, an increase of 2.1 percent over the year, accounting for virtually all of the employment gain. This sector reached an all time high employment level of 336,600 in December and a record high average of 332,300 for 1989. The Service Producing industries accounted for 72.1 percent of total nonfarm employment in 1989 compared to 70.8 percent in 1988. Within the Service Producing sector, the most substantial job gain occurred in Services, which increased by 4.6 percent, or 5,400 jobs, to an annual average 123,700. Employment in Wholesale/Retail Trade rose to an average of 107,300 in 1989 exceeding its 1988 annual average figure by 1,700. Small losses of 200 each reduced the average number of jobs in Transportation/Communication/Public Utilities and Finance/Insurance/Real Estate to 15,400 and 27,000, respectively for calendar year 1989.

An average decrease of 5,100 in the Goods Producing sector reflected the continued decline in Manufacturing employment along with weakened activity in Contract Construction. Factory employment fell for the fifth consecutive year as the number of jobs dropped to an average of 108,700 in 1989, a decline of 3,900 from the 1988 average of 112,600. In 1989, factory jobs accounted for 23.6 percent of total wage and salary jobs compared to 24.5 percent in 1988. Ten of the thirteen major industry segments were down from a year ago while two other segments showed only slight job gains. The most substantial annual average decreases were recorded in "All Other" Manufacturing (-800), followed by Textiles (-700) and Instruments (-600). Also experiencing declines for the twelve month period were Electrical Machinery, Transportation Equipment and Jewelry/Silverware (-500 each). Employment fell by 400 in Primary Metals while downturns of 100 each occurred in Food and Kindred Products and Nonelectrical Machinery. Only Rubber and Plastics Manufacturing, which posted an annual average increase of 700, showed any appreciable growth from 1988. Contract Construction employment declined by 1200 in 1989 reflecting a softening in the demand for new construction in the housing and commercial real estate markets. This marks the first annual job loss in the building industry since 1982. Previously, construction had expanded by an average 1,750 jobs per year from 1982 to 1988.

B. Industry Outlook

Rhode Island's wage and salary job total showed only a modest gain (+1,600) in 1989, the smallest annual average increase since the 1982 recession. In fact, the number of wage and salary jobs for each of the last six months of 1989 was below the respective 1988 levels. This trend has continued in the first four months of calendar year 1990. It is expected that the slowdown in the state's economy will continue into Program Year 1990 (July 1990 to June 1991). Total nonagricultural wage and salary employment in Rhode Island should average approximately 459,000 in Program Year 1990, which would be 2,200 or 0.5 percent less than the calendar year 1989 level.

Manufacturing employment fell to its lowest level ever as it accounted for an average of 108,700 jobs during 1989. This sector has posted annual average declines in all but one year (1984) since 1982. This trend in factory job losses can be expected to continue into Program Year 1990.

Contract construction employment, which declined for the first time since 1982, can also be expected to continue below last year's levels due to the slowdown in the single and multi-family residential as well as commercial real estate markets.

The large employment gains in the Service Producing industries which have more than offset the loss of manufacturing jobs over

the last few years are not expected to occur in Program Year 1990. Only modest growth can be expected in this segment during the next year.

RHODE ISLAND

ESTABLISHMENT EMPLOYMENT

CALENDAR YEAR 1990

(In Thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
NONAGRICULTURAL WAGE & SALARIED EMPLOYMENT	453.6	454.0	455.5	457.5									
GOODS PRODUCING	124.1	124.5	124.3	123.9									
MANUFACTURING EMPLOYMENT	106.4	106.9	106.4	105.1									
Food and Kindred Products	2.9	2.9	2.7	2.6									
Textiles	9.1	9.2	9.4	9.2									
Apparel	1.7	1.7	1.7	1.6									
Rubber & Misc. Plastics Products	6.7	6.7	6.7	6.6									
Primary Metal Industry	4.1	4.2	4.2	4.1									
Fabricated Metal Products	9.1	9.1	9.1	9.0									
Machinery (exc. electrical)	5.8	5.8	5.8	5.7									
Electrical Machinery	6.6	6.6	6.6	6.4									
Transportation Equipment	8.2	8.2	8.2	8.2									
Instruments	7.3	7.3	7.2	7.1									
Jewelry-Silverware	20.6	20.9	20.7	20.8									
Miscellaneous Manufacturing	5.9	6.0	6.0	5.9									
All Other Manufacturing	18.4	18.3	18.1	17.9									
CONTRACT CONSTRUCTION	17.7	17.6	17.9	18.8									
SERVICE PRODUCING	329.5	329.5	331.2	333.6									
Trans., Comm. & Public Utilities	14.9	15.0	15.1	15.3									
Wholesale & Retail Trade	105.3	104.8	105.7	106.2									
Finance, Insurance & Real Estate	26.6	26.6	26.7	26.8									
Service, except domestic	123.2	123.5	124.4	125.8									
Government	59.5	59.6	59.3	59.5									
NOT INCLUDED IN ABOVE:													
* Labor Dispute	0.0	0.0	0.0	0.0									

UPDATED FIGURES MAY BE OBTAINED BY CALLING THE LABOR MARKET INFORMATION UNIT AT 277-3706.

NOTE: Represents a count of jobs by place of work. Data for current month is PRELIMINARY, prior month has been REVISED.
Monthly data for several categories are not strictly comparable to years prior to 1988 due to industry reclassifications.

RHODE ISLAND (Rev. 3/90)

ESTABLISHMENT EMPLOYMENT

CALENDAR YEAR 1989

(In Thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
NONAGRICULTURAL WAGE & SALARIED EMPLOYMENT	453.9	454.2	457.3	460.8	464.2	468.7	457.9	460.1	463.6	463.4	464.8	463.4	461.2
GOODS PRODUCING	127.8	127.3	128.7	129.0	130.2	131.8	126.2	129.1	129.6	129.1	128.8	126.8	128.9
MANUFACTURING EMPLOYMENT	109.4	109.3	110.4	108.9	109.2	110.1	104.4	107.2	108.2	109.0	108.9	107.3	108.7
Food and Kindred Products	2.8	2.8	2.8	2.7	2.8	2.8	2.6	2.6	2.7	2.7	3.0	3.0	2.8
Textiles	9.7	9.7	9.8	9.6	9.6	9.8	8.8	9.2	9.3	9.1	9.1	9.1	9.4
Apparel	1.8	1.8	1.8	1.7	1.6	1.9	1.7	1.7	1.7	1.9	1.9	1.8	1.8
Rubber & Misc. Plastics Products	6.6	6.6	6.6	6.6	6.6	6.5	6.3	6.5	6.5	6.7	6.7	6.6	6.6
Primary Metal Industry	4.4	4.4	4.4	4.2	4.2	4.3	4.2	4.2	4.3	4.2	4.2	4.2	4.3
Fabricated Metal Products	9.0	9.1	9.1	9.1	9.2	9.3	8.2	8.8	9.0	9.1	9.2	9.0	9.0
Machinery (exc. electrical)	5.8	5.8	5.9	5.8	5.9	5.9	5.7	5.8	5.8	5.8	5.7	5.8	5.8
Electrical Machinery	7.6	7.5	7.4	7.1	6.9	6.7	6.3	6.2	6.3	6.3	6.3	6.3	6.7
Transportation Equipment	8.7	8.6	8.7	8.3	8.4	8.3	7.9	7.9	7.9	8.1	8.1	8.2	8.3
Instruments	7.5	7.4	7.4	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.4	7.3	7.4
Jewelry-Silverware	21.2	21.6	21.8	21.9	22.0	21.9	21.0	22.0	22.1	22.3	22.1	21.5	21.8
Miscellaneous Manufacturing	6.0	6.1	6.3	6.2	6.3	6.6	6.1	6.2	6.5	6.5	6.5	5.9	6.3
All Other Manufacturing	18.3	17.9	18.4	18.3	18.3	18.7	18.2	18.8	18.8	19.0	18.7	18.6	18.5
CONTRACT CONSTRUCTION	18.4	18.0	18.3	20.1	21.0	21.7	21.8	21.9	21.4	20.1	19.9	19.5	20.2
SERVICE PRODUCING	326.1	326.9	328.6	331.8	334.0	336.9	331.7	331.0	334.0	334.3	336.0	336.6	332.3
Trans., Comm. & Public Utilities	15.1	15.1	15.1	15.4	15.8	16.1	15.4	15.4 *	15.7 *	15.3 *	15.2 *	15.2	15.4
Wholesale & Retail Trade	105.3	104.4	105.3	105.9	106.8	109.3	108.6	109.0	108.3	107.2	108.3	109.6	107.3
Finance, Insurance & Real Estate	26.6	26.6	26.6	26.7	26.7	27.2	27.1	27.1	26.9	27.1	27.4	27.4	27.0
Service, except domestic	119.6	121.2	122.1	124.3	125.1	125.0	122.5	122.5	125.8	125.9	125.6	124.8	123.7
Government	59.5	59.6	59.5	59.5	59.6	59.3	58.1	57.0	57.3	58.8	59.5	59.6	58.9
NOT INCLUDED IN ABOVE:													
* Labor Dispute	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	0.0	----

NOTE: Represents a count of jobs by place of work.
Monthly data for several categories are not strictly comparable to years prior to 1988 due to industry reclassifications.

RHODE ISLAND (Rev. 3/90)

ESTABLISHMENT EMPLOYMENT

CALENDAR YEAR 1988

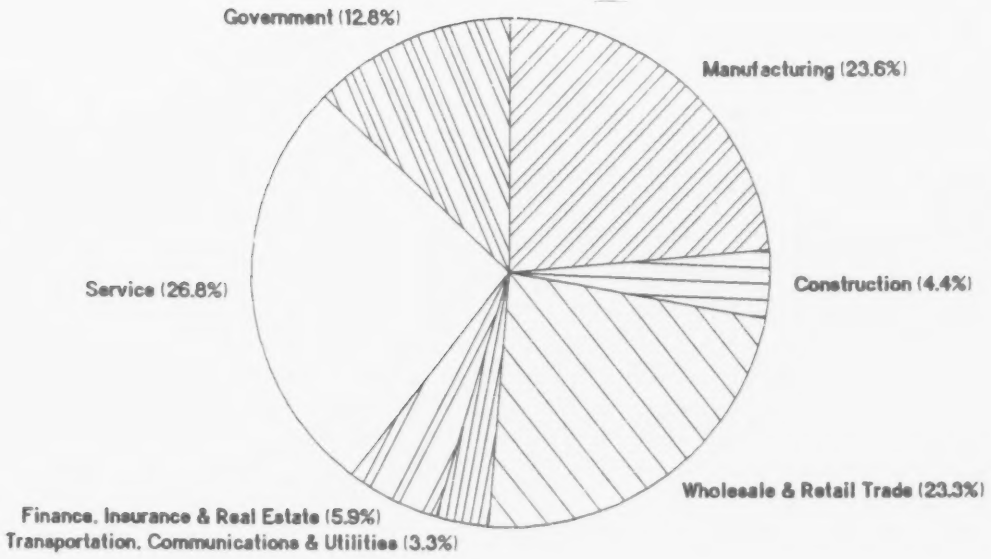
(In Thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
NONAGRICULTURAL WAGE & SALARIED EMPLOYMENT	444.4	446.1	450.2	457.5	461.9	462.3	459.2	462.2	464.2	466.8	468.7	469.0	459.6
GOODS PRODUCING	129.3	130.1	131.3	133.2	134.1	135.7	132.5	135.3	136.6	135.9	136.4	135.6	134.0
MANUFACTURING EMPLOYMENT	111.6	112.6	112.6	112.2	112.2	113.0	109.1	111.8	113.1	113.2	113.9	113.6	112.6
Food and Kindred Products	3.0	3.0	2.9	2.8	2.9	2.9	2.6	2.7	2.9	2.9	2.9	3.0	2.9
Textiles	10.2	10.3	10.4	10.3	10.3	10.2	9.7	10.0	9.9	9.8	9.8	9.9	10.1
Apparel	2.6	2.6	2.7	2.5	2.5	2.5	2.1	2.1	2.2	2.3	2.4	2.3	2.4
Rubber & Misc. Plastics Products	5.7	5.7	5.7	5.7	5.7	5.8	5.7	6.0	6.0	6.1 *	6.2	6.2	5.9
Primary Metal Industry	4.2 *	4.7	4.6	4.6	4.5	4.6	4.6	4.7	4.7	4.9	4.9	4.9	4.7
Fabricated Metal Products	8.8	8.7	8.8	8.7	8.8	8.9	8.6	8.9	9.0	9.0	9.1	9.1	8.9
Machinery (exc. electrical)	5.9	6.1	5.8	5.8	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.1	5.9
Electrical Machinery	7.5	7.5	7.4	7.3	7.2	7.1	6.7	7.0	7.0	7.0	7.2	7.2	7.2
Transportation Equipment	9.1	9.0	9.0	8.9	8.7	8.6 *	8.5 *	8.4 *	8.4 *	8.9	8.9	8.8	8.8
Instruments	8.0	8.1	8.0	8.1	8.1	8.1	8.0	8.0	7.9	7.8	7.7	7.7	8.0
Jewelry-Silverware	21.5	21.9	21.9	21.9	22.1	22.2	21.4	22.7	23.1	23.0	23.2	22.7	22.3
Miscellaneous Manufacturing	6.1	6.1	6.2	6.3	6.3	6.5	5.9	6.1	6.3	6.1	6.1	6.2	6.2
All Other Manufacturing	19.0	18.9	19.2	19.3	19.3	19.7	19.4	19.2	19.7	19.4	19.5	19.5	19.3
CONTRACT CONSTRUCTION	17.7	17.5	18.7	21.0	21.9	22.7	23.4	23.5	23.5	22.7	22.5	22.0	21.4
SERVICE PRODUCING	315.1	316.0	318.9	324.3	327.8	326.6	326.7	326.9	327.6	330.9	332.3	333.4	325.6
Trans., Comm. & Public Utilities	15.2	15.2	15.5	15.7	15.8	15.8	15.4	15.3	15.8	15.8	15.8	15.8	15.6
Wholesale & Retail Trade	100.9	100.7	101.4	103.3	104.8	106.9	108.4	108.7	107.9	106.7	107.8 *	109.4	105.6
Finance, Insurance & Real Estate	26.6	26.6	26.8	27.0	27.0	27.5	27.6	27.5	27.2	27.5	27.8	27.8	27.2
Service, except domestic	113.2	114.1	115.7	119.0 *	121.0	117.5 *	118.3 *	118.5	118.9	121.1	121.1 *	120.7 *	118.3
Government	59.2	59.4	59.5	59.3	59.2	58.9	57.0	56.9	57.8	59.8	59.8	59.7	58.9
NOT INCLUDED IN ABOVE:													
* Labor Dispute	0.5	0.0	0.0	0.1	0.0	0.5	0.5	0.4	0.4	0.1	0.2	0.7	----

NOTE: Represents a count of jobs by place of work.
Monthly data for several categories are not strictly comparable to prior years due to industry reclassifications.

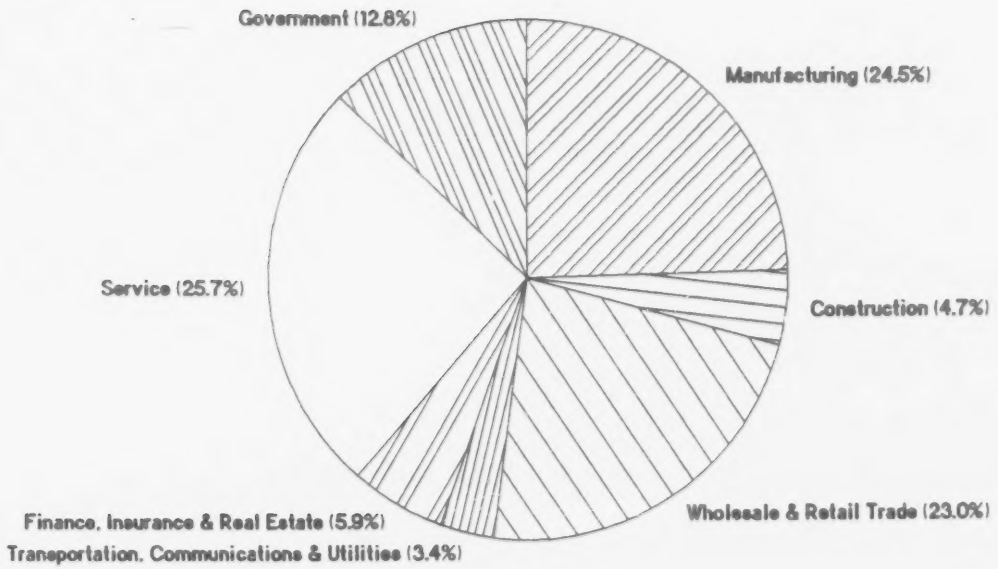
DISTRIBUTION OF WORKERS BY INDUSTRY

Rhode Island, 1989



DISTRIBUTION OF WORKERS BY INDUSTRY

Rhode Island, 1988



Section 3. Employment Developments and Outlook by Occupation

A. Recent Developments

The best available indicator of recent occupational demand in the State is Job Service job openings, which represent unfilled employer job orders. Openings which have remained unfilled for 30 days or more are considered hard-to-fill. This section details occupations which had 25 or more hard-to-fill openings at the end of any calendar quarter in 1989.

The professional, technical and managerial occupations did not have a large number of hard-to-fill openings throughout 1989. The only professional occupations appearing on the following list are registered and licensed practical nurses.

It is not unusual to find a large number of openings in the clerical and sales occupations. These are often entry level positions and are generally low paying. The greatest demand was for food sales clerk. Other openings in this category included cashier-checker, teller, secretary, telephone directory deliverer, terminal system operator and telephone solicitor.

The greatest demand in the service occupations was for fast food worker. There were also numerous openings for informal waiter/waitress, amusement ride operator, home health aide, correctional officer and nurse aide.

The only hard-to-fill job listed in agricultural, fishery, forestry and related occupations was for a landscape laborer.

The only processing occupation appearing on the list was jewelry stringer.

Two occupations in the machine trades category which had hard-to-fill openings were assembly press operator and automobile mechanic.

Benchworking occupations often have a large number of openings unfilled for thirty consecutive days or more due to low pay and limited advancement potential. There are often more applicants than openings for these jobs, but due to the high turnover in this group, openings are almost always available. Hard-to-fill openings in benchworking included jewelry solderer, jewelry set up and charger, jewelry enameler and jewelry assembler.

Many of the structural occupations are of a seasonal nature and have the greatest number of openings in warm weather. Other structural jobs, such as those in the shipbuilding industry, have year-round demand. The only hard-to-fill opening in this category was for tile setter.

The occupation in the miscellaneous category which had the largest number of hard-to-fill openings was material handler, followed by hand packager and school bus driver.

The following table lists the occupations which had at least 25 job openings unfilled for more than thirty days at the end of each quarter of 1989. Also shown is the quarterly average of hard-to-fill.

OCCUPATIONS WITH JOB OPENINGS UNFILLED FOR 30 DAYS OR MORE DURING 1989 -
QUARTERLY RANGE OF OPENINGS UNFILLED
AND QUARTERLY AVERAGE NUMBER OF OPENINGS UNFILLED

D.O.T. Code	Occupational Title	Quarterly RANGE of Openings Unfilled for 30 Days or More	Quarterly AVERAGE Number of Openings Unfilled for 30 Days or More
075.374-010	REGISTERED NURSE	38 - 58	49
079.374-014	LICENSED PRACTICAL NURSE	40 - 69	55
201.362-030	SECRETARY	18 - 30	24
203.362-010	CLERK-TYPIST	0 - 25	18
203.362-018	TERMINAL SYSTEM OPERATOR	5 - 33	21
211.362-018	TELLER	22 - 33	28
211.462-014	CASHIER-CHECKER	32 - 44	38
219.362-022	ACCOUNT REPRESENTATIVE	0 - 26	12
230.667-014	TELEPHONE DIRECTORY DELIVERER	0 - 51	23
261.357-066	WOMEN'S APPAREL SALESPERSON	0 - 29	8
290.477-014	SALES CLERK	0 - 27	7
290.477-018	FOOD SALES CLERK	28 - 157	94
299.357-014	TELEPHONE SOLICITOR	0 - 29	21
299.477-010	MERCHANDISE DELIVERER	0 - 27	14
311.472-010	FAST FOOD WORKER	104 - 248	206
311.477-010	CAR HOP WAITER/WAITRESS	35 - 42	40
311.477-014	COFFEE SHOP COUNTER ATTENDANT	22 - 74	44
311.477-026	FORMAL WAITER/WAITRESS	25 - 30	27
311.477-030	INFORMAL WAITER/WAITRESS	57 - 179	123
311.677-014	CAFETERIA COUNTER ATTENDANT	0 - 36	25
311.677-018	DINING ROOM ATTENDANT	0 - 28	20
313.361-014	RESTAURANT COOK	55 - 71	64
313.361-022	SHORT ORDER CLERK	0 - 25	12
318.687-010	KITCHEN HELPER	46 - 92	69
323.687-014	HOUSEKEEPING CLEANER	0 - 26	9
342.663-010	AMUSEMENT RIDE OPERATOR	22 - 200	108
354.377-014	HOME HEALTH AIDE	67 - 106	93
355.674-014	NURSE AIDE	69 - 100	89
372.667-018	CORRECTIONAL OFFICER	88 - 91	90
372.667-034	SECURITY GUARD	23 - 63	40
381.687-014	COMMERCIAL CLEANER	0 - 47	24
408.687-014	LANDSCAPE LABORER	0 - 25	6
509.687-018	JEWELRY STRINGER	19 - 33	27
620.261-010	AUTOMOBILE MECHANIC	0 - 28	7
690.685-014	ASSEMBLY PRESS OPERATOR	0 - 34	14
700.381-050	JEWELRY SOLDERER	72 - 102	87
700.684-014	JEWELRY ASSEMBLER	42 - 74	54
700.687-026	JEWELRY SET UP & CHARGER	35 - 78	58
700.687-058	JEWELRY POLISHER	0 - 27	11
735.687-014	JEWELRY LINKER	0 - 30	15
735.687-026	JEWELRY RACKER	0 - 29	13

OCCUPATIONS WITH JOB OPENINGS UNFILLED FOR 30 DAYS OR MORE DURING 1989 -
QUARTERLY RANGE OF OPENINGS UNFILLED
AND QUARTERLY AVERAGE NUMBER OF OPENINGS UNFILLED

D.O.T. Code	Occupational Title	Quarterly RANGE of Openings Unfilled for 30 Days or More	Quarterly AVERAGE Number of Openings Unfilled for 30 Days or More
735.687-034	JEWELRY STONE SETTER	24 - 68	45
739.687-026	OIL FILTER ASSEMBLER	0 - 33	16
740.684-018	JEWELRY ENAMELER	36 - 76	55
861.381-054	TILE SETTER	0 - 32	16
913.463-010	BUS DRIVER (SCHOOL)	0 - 46	19
920.587-018	HAND PACKAGER	22 - 118	55
929.687-030	MATERIAL HANDLER	8 - 226	142

B. Occupational Outlook for Program Year 1990

The slowdown in the state's economy which began in the latter part of 1988 is expected to continue into Program Year 1990. Based on the types of occupations which had the greatest numbers of hard-to-fill openings during 1989, many of the jobs which will be available in Program Year 1990 are anticipated to be in relatively low paying, unskilled, high turnover occupations. The demand for highly trained persons and college graduates will be more limited, but there should be openings available for some professional occupations such as registered nurse and licensed practical nurse.

It should be noted that the demand list included in this section represents only job openings listed with the Rhode Island Job Service, and the exact extent to which the Job Service constitutes a primary hiring channel for a given occupation is not known. Demand, therefore, is more likely to be understated than overstated; also, some occupations for which a significant demand exists may not be apparent from the data available.

Based on last year's list of unfilled openings, and job openings which have recently been received by the State Job Service, the following is a list of occupations for which there will most likely be a demand in Program Year 1990. Because several of these occupations were directly related to the recent 1990 Census (survey workers' supervisor, census enumerator, general census clerk) they will not be in great demand in Program Year 1990.

Professional and Technical:	Registered nurse, licensed practical nurse, air-traffic-control tower specialist
Clerical and Sales:	Terminal system operator
Service:	Coffee shop counter attendant, home health aide, kitchen helper, correctional officer, cafeteria counter attendant, formal waiter/waitress
Bench Work:	Jewelry solderer, jewelry assembler
Structural:	Construction Worker II
Miscellaneous:	Material Handler

The following table lists occupations with 25 or more hard-to-fill openings at the end of February 1990. This table represents the latest available data on demand for workers.

OCCUPATIONS WITH 25 OR MORE JOB OPENINGS
UNFILLED FOR 30 DAYS OR MORE AT THE END OF FEBRUARY 1990

D.O.T. Code	Occupational Title	Number of Openings Unfilled for 30 Days or More
075.374-010	REGISTERED NURSE	59
079.374-014	LICENSED PRACTICAL NURSE	64
193.162-018	AIR-TRAFFIC-CONTROL TOWER SPECIALIST	63
203.362-018	TERMINAL SYSTEM OPERATOR	66
205.137-014	SURVEY WORKERS SUPERVISOR	68
205.367-054	CENSUS ENUMERATOR	149
216.382-062	GENERAL CENSUS CLERK	47
311.477-014	COFFEE SHOP COUNTER ATTENDANT	33
311.477-026	FORMAL WAITER/WAITRESS	25
311.677-014	CAFETERIA COUNTER ATTENDANT	26
313.361-014	RESTAURANT COOK	30
318.687-010	KITCHEN HELPER	29
354.377-014	HOME HEALTH AIDE	88
355.674-014	NURSE AIDE	57
372.667-018	CORRECTIONAL OFFICER	88
700.381-050	JEWELRY SOLDERER	26
700.684-014	JEWELRY ASSEMBLER	27
869.687-026	CONSTRUCTION WORKER II	26
929.687-030	MATERIAL HANDLER	123

C. Long-Term Occupational Outlook

Data from the publication Rhode Island Occupational Projections to 1995 indicates the largest number of annual job openings will be found in service occupations and clerical occupations. Significant numbers of openings will also occur in the professional, technical and kindred occupations and in the managers and officials category. Very few jobs will be available in the transportation equipment operatives and farm workers categories.

In all occupational groups, the majority of job opportunities will be the result of separations from the labor force, rather than economic expansion. Separations from the labor force include worker retirements, deaths, and persons leaving jobs to raise families.

Only one occupation - sales clerk - is expected to have more than 700 annual job openings. Almost two-thirds of these openings will be the result of worker replacement. There are anticipated to be more than 600 openings annually for secretaries and general office clerks.

Openings for cashiers, professional nurses, guards and doorkeepers, nurse aide/orderly and waiter/waitress are expected to range between 500 and 600 positions annually.

Openings for elementary teachers and kitchen helpers are expected to average between 400 and 500 positions annually. Hand bookkeepers, store managers and carpenters are anticipated to have from 300 to 400 jobs available each year. Between 200 and 300 openings annually are forecast for accountants and auditors, fast food preparation and service workers, childcare workers, technical sales representatives, bartenders, blue collar working supervisors, licensed practical nurses, and accounting clerks.

Between 100 and 200 annual openings are projected for: receptionists, assemblers, secondary teachers, restaurant/coffee shop managers, bus drivers, automobile mechanics, lawyers, typists, gardeners and groundskeepers, production packagers, clerical supervisors, nontechnical sales representatives, restaurant cooks, sales floor stock clerks, physicians and/or surgeons, hairdressers/cosmetologists, delivery & route workers, inspectors, maintenance painters, computer programmers, bank tellers, jewelry bench hands, postal mail carriers, and social caseworkers.

The following table lists by occupation the average annual number of job openings expected to occur due to growth and separation between 1985 and 1995.

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
00000000	TOTAL ALL OCCUPATIONS	26,695	7,730	18,965
10000000	Professional, Technical & Kindred Occ.	4,675	1,825	2,850
10020000	Engineers	240	100	140
10020400	Chemical Engineers	5	0	5
10020600	Civil Engineers	45	15	30
10020800	Electrical Engineers	45	20	25
10021000	Industrial Engineers	25	10	15
10021200	Mechanical Engineers	60	25	35
10022000	Other Engineers	60	30	30
10040000	Life and Physical Scientists	30	5	25
10040200	Agricultural Scientists	5	0	5
10040600	Life Scientists	10	0	10
10040601	Biological Scientists	5	0	5
10040602	Medical Scientists	5	0	5
10040800	Chemists	15	5	10
10041000	Geologists & Geophysicists	0	0	0
10041400	Physicists	0	0	0
10041600	Life and Physical Scientists, n.e.c.	0	0	0
10060000	Mathematical Specialists	20	0	20
10060200	Actuaries	0	0	0
10060400	Mathematical Scientists	15	0	15
10060402	Mathematicians	5	0	5
10060403	All Other Math Scientists	10	0	10
10060600	Statisticians	5	0	5
10080000	Engineering, Science Technicians	180	95	85
10080600	Drafters	40	15	25
10080800	Electrical, Electronic Techs.	75	55	20
10081000	Industrial Engineering Techs.	0	0	0
10081400	Mechanical Engineering Techs.	10	5	5
10081600	Surveyors	5	0	5
10081800	Engineering & Sci. Techs., n.e.c.	50	20	30
10081811	Colorists Textiles	0	0	0
10081816	Civil Engineering Techs.	10	5	5
10081898	All Other Engineering Techs.	20	5	15
10081899	All Other Science Techs.	20	10	10
10100000	Medical Workers, Ex. Techs.	1,105	475	630
10100200	Chiropractors	75	20	55
10100400	Dentists	50	30	20
10100600	Dieticians &/or Nutritionists	35	15	20
10100800	Nurses, Professional	585	260	325
10101000	Optometrists	20	5	15
10101200	Pharmacists	105	25	80

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Professional, Technical & Kindred Workers (Cont'd.)				
10101400	Physicians &/or Surgeons	145	85	60
10101600	Podiatrists	10	0	10
10101800	Therapists	70	30	40
10101801	Occupational Therapists	5	0	5
10101802	Manual Arts, Music, Rec. Therapists	10	5	5
10101803	Speech & Hearing Clinicians, Etc.	10	5	5
10101804	Physical Therapists	20	10	10
10101809	Inhalation Therapists	15	5	10
10101810	All Other Therapists	10	5	5
10102000	Veterinarians	10	5	5
10120000	Other Health Technologists & Technicians	485	185	300
10120200	Clinical Lab Technologists & Technicians	55	20	35
10120201	Medical Lab Technologists	25	10	15
10120202	Biochemistry Technologists	5	0	5
10120203	Microbiology Technologists	0	0	0
10120204	Cytotechnologists	0	0	0
10120205	Histologic Technologists	0	0	0
10120206	Medical Lab Assistants	25	10	15
10120207	Blood Bank Tech. Specialists	0	0	0
10120400	Dental Hygienists & Assts.	85	40	45
10120401	Dental Assistants	55	25	30
10120402	Dental Hygienists	30	15	15
10120600	Medical Record Librarians	10	5	5
10120800	Radiologic Technols. & Techns.	40	15	25
10120801	X-Ray Technicians	25	10	15
10120804	Radiologic Techns. & Nuc. Med. Techs.	15	5	10
10121000	Other Health Technols., Techs.	295	105	190
10121002	Surgical Technicians	10	5	5
10121006	EKG Technicians	10	5	5
10121007	EEG Technicians	0	0	0
10121008	Emergency Medical Technicians	15	10	5
10121009	Pharmacy Helpers	15	5	10
10121010	Licensed Practical Nurses	210	65	145
10121011	Dietetic Technicians	10	5	5
10121012	Physical Therapy Technicians	5	0	5
10121099	All Other Medical & Dental Techs.	20	10	10
10140000	Technicians, Ex. Health or S & E	35	20	15
10140200	Airplane Pilots	0	0	0
10140400	Airtraffic Controllers	0	0	0
10140600	Embalmers	0	0	0
10141000	Radio Operators	0	0	0
10141200	Tool Programmers, Numerical Control	0	0	0

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Professional, Technical & Kindred Occ.				
10141400	Other Technicians, Ex. Health or S & E	35	20	15
10141404	All Other Technicians	30	20	10
10141405	Technical Assistant, Library	5	0	5
10160000	Computer Specialists	210	175	35
10160200	Computer Programmers	125	105	20
10160400	Systems Analysts, EDP	85	70	15
10180000	Social Scientists	45	25	20
10180200	Economists	10	5	5
10180201	Financial Analysts	10	5	5
10180202	Economists	0	0	0
10180600	Psychologists	25	15	10
10181000	Urban and Regional Planners	0	0	0
10181200	All Other Social Scientists	10	5	5
10200000	Teachers	825	175	650
10201000	Teachers Adult Education	50	20	30
10202000	College & University Teachers	35	-15	50
10202001	Teachers Voc. Ed. or Training	5	5	0
10202002	Teachers College	25	-15	40
10202003	Graduate Assistants	5	-5	10
10202004	Extention Service Spec.	0	0	0
10203000	Teachers Elementary	445	110	335
10205000	Teachers Secondary	185	20	165
10206000	Teachers, n.e.c.	110	40	70
10206001	Dance Instructors	20	10	10
10206099	All Other Teachers	90	30	60
10220000	Writers, Artists, Entertainers	210	95	115
10220200	Actors or Actresses	5	5	0
10220400	Athletes & Kindred Workers	0	0	0
10221000	Designing Occupations	30	10	20
10221200	Editors & Reporters	45	15	30
10221201	Writers &/or Editors	30	10	20
10221203	Reporters & Correspondents	15	5	10
10221400	Musicians	20	10	10
10221600	Painters & Sculptors & Commercial Artists	45	20	25
10221800	Photographic Occupations	40	25	15
10220000	Public Relations Specialists	15	5	10
10222000	Radio, TV Announcers	10	5	5
10240000	All Other Professional & Technical Workers	1,290	475	815
10240200	Accounting Occupations	310	160	150
10240201	Accountants & Auditors	295	155	140
10240203	Tax Examiners, Collectors, Rev. Agents	10	0	10
10240204	Tax Preparers	5	5	0

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Professional, Technical & Kindred Occ. (Cont'd.)				
10240400	Architects	10	5	5
10240600	Archivists & Curators	0	0	0
10240800	Buying Occupations	125	40	85
10240801	Purchasing Agents &/or Buyers	35	10	25
10240803	Media Buyers	10	5	5
10240804	Buyers, Retail &/or Wholesale	80	25	55
10241000	Clergies	45	5	40
10241200	Directors, Rel. Act. &/or Rel. Ed.	0	0	0
10242000	Judicial Workers	10	0	10
10242200	Lawyers & Kindred Workers	205	65	140
10242201	Law Clerks	15	5	10
10242202	Lawyers	160	45	115
10242203	Paralegals Personnel	30	15	15
10242400	Librarians & Related Workers	30	0	30
10242800	Personnel & Employment Workers	90	40	50
10242802	Personnel, Labor Relations Spec.	45	15	30
10242803	Employment Interviewers	45	25	20
10243200	Recreation Workers	60	25	35
10243400	Social Workers	115	30	85
10243401	Caseworkers	100	30	70
10243404	Welfare Investigators	0	0	0
10243405	Community Organization Wkrs.	15	0	15
10243600	Vocational & Educ. Counselors	30	0	30
10243800	Misc. Professional Workers	260	105	155
10243804	Cost Estimators	25	5	20
10243810	Credit Analysts	0	0	0
10243811	Title Examiners &/or Abstractors	0	0	0
10243814	Underwriters	30	10	20
10243816	Appraisers, Real Estate	15	5	10
10243817	Assessors	0	0	0
10243820	Special Agents, Insurance	10	5	5
10243821	Travel Agents, Tr. Accom. Appraisers	55	35	20
10243822	Claims Examiners, Prpty./Cslty. Ins.	10	5	5
10243899	All Other Professional Wkrs.	115	40	75
20000000	Managers & Officials	2,960	755	2,205
20020000	Sales Managers	70	30	40
20040000	Administrators, Pub. Inspectors	50	0	50
20040400	Construction Inspectors	5	0	5
20040800	Public Admin., Inspectors, Ex. Const.	15	0	15
20041000	Public Admin., Chief Executives, Legis.	25	0	25
20041200	Postmasters &/or Mail Superints.	5	0	5
20060000	Other Managers, Officials & Props.	2,840	725	2,115

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Managers & Officials (Cont'd.)				
20060800	Officers, Pilots, Pursers, Ship	0	0	0
20061200	Conductors, Train	0	0	0
20061400	Managers, Restaurant, Coffee Shop, Etc.	180	65	115
20061600	Other Managers & Administrators	2,660	660	2,000
20061612	Manager Stores	320	85	235
20061613	Managers Auto Service Dept.	20	5	15
20061614	Managers Auto Parts Dept.	15	5	10
20061615	Wholesalers	70	20	50
20061699	All Other Managers	2,235	545	1,690
30000000	Sales Workers	1,580	570	1,010
30001000	Insurance Agents, Brokers Etc.	70	35	35
30001400	Real Estate Agents, Brokers	35	5	30
30001401	Business Brokers	5	0	5
30001402	Real Estate Brokers	5	0	5
30001403	Sales Agents, Sales Reps. Real Estate	25	5	20
30001600	Stock & Bonds Sales Agents	50	30	20
30001604	Sales Agents, Sales Reps., Fin. Serv.	15	10	5
30001605	Sales Agents, Sales Reps., Security	35	20	15
30001800	Misc. Sales Workers	1,425	500	925
30001802	Sales Clerks	750	265	485
30001804	Contribution Solicitors	0	0	0
30001806	Sales Clerk Supervisors	10	5	5
30001807	Sales Reps. Nontechnical	150	50	100
30001808	Sales Reps. Technical	260	90	170
30001899	All Other Sales Workers	255	90	165
40000000	Clerical Workers	4,965	1,340	3,625
40020000	Stenos., Secretaries & Typists	850	90	760
40020200	Secretaries	695	135	560
40020400	Stenographers	0	-40	40
40020600	Typists	155	-5	160
40040000	Office Machine Operators	235	85	150
40040200	Office Machine Operators	60	20	40
40040201	Bookkeeping/Billing Mach. Ops.	55	20	35
40040202	Proofmachine Operators	5	0	5
40040600	Computer, Peripheral Equip. Ops.	85	50	35
40040601	Computer Operators	70	40	30
40040602	Peripheral EDP Equip. Ops.	15	10	5
40040800	Duplicating Machine Operators	30	15	15
40041000	Keypunch /Data Entry Operators	35	-10	45
40041400	All Other Office Machine Ops.	25	10	15
40060000	Other Clerical Workers	3,880	1,165	2,715
40060200	Bank Tellers	120	30	90

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Clerical Workers (Cont'd.)				
40060201	New Account Tellers	15	5	10
40060203	Tellers	105	25	80
40060600	Bookkeepers	585	175	410
40060601	Accounting Clerks	210	60	150
40060603	Bookkeepers, Hand	375	115	260
40060800	Cashiers	590	275	315
40061000	Eligibility Workers, Welfare	10	0	10
40061200	Clerical Supervisors	150	50	100
40061400	Collectors	25	10	15
40061600	Counter Clerks, Ex. Food	130	40	90
40061603	Desk Clerks	25	10	15
40061604	Order Clerks	95	30	65
40061605	Circulation Clerks	0	0	0
40061607	Telephone Ad Takers, Newspaper	5	0	5
40061699	All Other Counter Clerks, Ex. Food	5	0	5
40061800	Dispatchers, Starters, Vehicles	20	5	15
40061803	Dispatchers, Police, Fire, Ambulance	5	0	5
40061804	Dispatchers, Vehicle, Service or Wk.	15	5	10
40062000	Survey Workers	10	5	5
40062200	Estimators, Investigators, n.e.c.	50	20	30
40062201	Credit Authorizers	10	5	5
40062208	Adjustment Clerks	15	5	10
40062209	Checking Clerks	5	0	5
40062210	Claims Clerks	20	10	10
40062211	Credit Reporters	0	0	0
40062299	All Other Estimators, Invest. n.e.c.	0	0	0
40062400	Production Clerks	45	10	35
40062600	File Clerks & Related Workers	75	15	60
40062601	File Clerks	55	10	45
40062699	Personnel Clerks & Admissions Eval.	20	5	15
40062800	Claims Workers, Insurance	30	15	15
40062801	Claims Examiners, Insurance	20	10	10
40062803	Claims Adjuster	10	5	5
40063000	Library Assistants	30	5	25
40063200	Postal Mail Carriers	110	60	50
40063400	Mail Handlers, Ex. Postal Svc.	10	0	10
40063600	Messengers & Office Helpers	5	0	5
40063601	Messengers, Bank	0	0	0
40063602	Messengers	5	0	5
40063800	Meter Readers	5	0	5
40064000	Payroll Time Keeping Clerks	45	-5	50
40064200	Postal Service Clerks	25	10	15

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Clerical Workers (Cont'd.)				
40064400	Proofreaders	5	0	5
40064800	Receptionists & Related Workers	300	115	185
40064802	Receptionists	185	70	115
40064803	Switchboard Ops./Receptionists	115	45	70
40065000	Shipping, Receiving Occupations	190	50	140
40065001	Shipping & Receiving Clerks	85	25	60
40065002	Shipping Packers	105	25	80
40065200	Statistical Clerks	20	0	20
40065205	Brokerage Clerks	0	0	0
40065209	Raters	15	5	10
40065211	Statistical Clerks	5	-5	10
40065217	Insurance Checkers	0	0	0
40065299	All Other Statistical Clerks	0	0	0
40065400	Stock Clerks, Storekeepers	115	-10	125
40065402	Procurement Clerks	10	0	10
40065404	Stock Clerks, Stockroom, Whse., Etc.	105	-10	115
40065600	Teachers Aides/Education Assts.	70	25	45
40066200	Telephone Operators	55	0	55
40066201	Switchboard Operators	50	10	40
40066202	Central Office Operators	5	-10	15
40066299	All Other Telephone & Telegraph Ops.	0	0	0
40066400	Ticket, Station, Express Agents	20	10	10
40066600	Weighers, Recordkeeping	5	0	5
40066800	All Other Clerical Workers	1,030	255	775
40066801	Loan Closers	10	5	5
40066808	Service Representatives	10	0	10
40066811	General Clerks Office	660	165	495
40066815	Policy Change Clerks	5	5	0
40066840	Town Clerks	5	0	5
40066841	Credit Clerks Banks &/or Ins.	10	5	5
40066842	Mortgage Closing Clerks	0	0	0
40066846	Insurance Clerks, Medical	15	5	10
40066848	License Clerks	5	0	5
40066898	All Other Office Clerical Wkrs.	250	55	195
40066899	All Other Plant Clerical Wkrs.	60	15	45
50000000	Crafts And Kindred Workers	2,495	760	1,735
50020000	Construction Craft Workers	765	240	525
50020200	Carpenters	310	90	220
50020600	Brickmason & Stonemasons	55	15	40
50020601	Bricklayers	50	15	35
50020602	Stonemasons	5	0	5
50021200	Cement Mason	10	5	5

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Crafts & Kindred Workers (Cont'd.)				
50021400	Electricians	90	30	60
50021800	Excavating, Grading Mach. Ops.	35	15	20
50022200	Painters, Maintenance	125	45	80
50022600	Paperhangers	25	10	15
50022800	Plasterers & Related Occupations	10	5	5
50023200	Plumbers & Pipefitters	80	20	60
50023600	Roofers	15	5	10
50023800	Structural Steel Workers	5	0	5
50024000	Tile Installing Occupations	5	0	5
50040000	Blue Collar, Working Supervisors	210	40	170
50060000	Metal Working Crafts Workers, Ex. Mech.	140	0	140
50060400	Boilermakers	0	0	0
50060600	Heat Treaters, Annealers, Etc.	5	0	5
50060800	Forge & Hammer Operators	0	0	0
50061000	Job & Die Setters, Metal	25	0	25
50061003	Machine Tool Setters Metal Wrk.	20	0	20
50061007	Punch Press Setters, Metal	5	0	5
50061099	All Other Job & Die Setters, Metal	0	0	0
50061200	Machining Occupations	45	5	40
50061202	Layout Markers, Metals	0	0	0
50061206	Machinists	45	5	40
50061600	Millwrights	5	0	5
50061800	Molders Metal	0	0	0
50061801	Metal Mold Makers	0	0	0
50061804	Molders, Bench &/or Floors	0	0	0
50061805	Molders, Machine (Metal)	0	0	0
50062200	Pattern & Model Makers	0	0	0
50062400	Rollers & Finishers, Metal	5	0	5
50062415	Rolling Mill Ops./Attendants	5	0	5
50062499	All Other Rollers & Finishers Metal	0	0	0
50062600	Sheet Metal Workers	30	10	20
50063000	Toolmakers & Diemakers	25	-15	40
50080000	Mechanics, Repairers, Installers	500	235	265
50080200	Refrigeration Mechanic, A/C Mech.	25	10	15
50080402	Aircraft Mechanics	10	5	5
50080600	Autoseat Cover, Top Installers	0	0	0
50080800	Autobody Repairers	30	15	15
50081000	Automotive Mechanics	160	85	75
50081800	Heavy Equip. Mechs., Inc. Diesel	70	20	50
50081803	Engineering Equip. Mechs.	5	0	5
50081806	Marine Mechs., Repairers	10	5	5
50081807	Maintenance Mechanics	55	15	40

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Crafts & Kindred Workers (Cont'd.)				
50081899	All Other Heavy Equip. Mechs, Inc. Diesel	0	0	0
50082000	Household Appl. Mech. & Inst.	5	0	5
50082002	Electric Meter Installers, Etc.	0	0	0
50082005	Gas & Electric Appliance Installers	5	0	5
50082007	Household Appliance Installer	0	0	0
50082009	Water Meter Installers	0	0	0
50082012	Household Appliance Repairers	0	0	0
50082200	Loom Fixers	5	-5	10
50082400	Office Machine Servicers/Cash Reg. Svc.	55	40	15
50082600	Radio & TV Servicers & Repairers	15	5	10
50082800	Railroad Car Shop Repairers	0	0	0
50083200	Other Mechs., Repairers, Installers	125	60	65
50083202	Bicycle Repairers	15	10	5
50083204	Electric Motor Repairers	10	5	5
50083212	Locksmiths	0	0	0
50083215	Coin Machine Servicers, Repairers	10	5	5
50083222	Diesel Mechanics	35	15	20
50083225	Pinsetters Mechs., Automatic	0	0	0
50083229	All Other Mechs. & Repairers	55	25	30
50100000	Printing Trade Craft Workers	105	35	70
50100200	Bookbinding Occupations	25	5	20
50100205	Bookbinders Machine	15	5	10
50100206	Bindery Workers, Assembly	5	0	5
50100208	All Other Bindery Workers	5	0	5
50100400	Compositiors &/or Typesetters	20	5	15
50100800	Engravers Ex. Photoengravers	5	0	5
50101000	Photoengravers, Lithographers	20	10	10
50101001	Strippers Printing	10	5	5
50101002	Camera Operators, Printing	10	5	5
50101003	Photoengravers	0	0	0
50101200	Press & Plate Printers	35	15	20
50101201	Press Operators, Plate Printers	10	5	5
50101202	Offset Lithographic Press Ops.	20	10	10
50101206	Gravure Press Operators	0	0	0
50101207	Letter Press Operators	5	0	5
50101299	Other Press & Plate Printers	0	0	0
50120000	Transportation, Pub. Util. Craftworkers	-5	-15	10
50120200	Elec. Powerline Inst., Repairers	5	0	5
50120201	Cable Splicers	0	0	0
50120202	Line Installers, Repairers	5	0	5
50120400	Locomotive Engineers & Helpers	0	0	0
50120800	Power Station Operators	0	0	0

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Crafts & Kindred Workers (Cont'd.)				
50121000	Telephone Installers, Repairers	-10	-15	5
50121001	Installers, Repairers, Sec. Maint.	0	0	0
50121003	Station Installers	-5	-10	5
50121010	Central Office Repairers	-5	-5	0
50121011	Trouble Locators, Test Desk	0	0	0
50140000	Other Crafts, Kindred Workers	780	225	555
50140200	Baking Occupations	25	5	20
50140400	Cabinetmakers	55	25	30
50140600	Carpet Cutters, Carpet Layers	10	5	5
50140800	Crane, Derrick, Hoist Occups.	5	0	5
50141000	Merchandise Displayers & Wind Trmrs.	15	5	10
50141200	Dental Lab Technicians	0	0	0
50141400	Furniture Finishers	5	0	5
50141800	Glazing Occupations	10	5	5
50142200	Other Inspection Occupations	160	15	145
50142202	Inspectors	130	10	120
50142205	Testers	30	5	25
50142400	Jewelers & Watchmakers	65	10	55
50142401	Jewelers &/or Silversmiths	40	10	30
50142402	Watchmakers	5	0	5
50142410	Stone Setters	20	0	20
50142800	Motion Picture Projectionists	5	0	5
50143000	Opticians, Lens Grinders, Polisher	5	0	5
50143400	Shipfitters	40	5	35
50143600	Shoe Repairing Occupations	5	0	5
50144000	Stationary Engineering Occ.	20	5	15
50144003	Diesel Plant Operators	0	0	0
50144013	Sewage Plant Operators	10	5	5
50144014	Stationary Engineer	5	0	5
50144025	Water Treatment Plant Operators	5	0	5
50144099	All Other Stationary Eng. Occ.	0	0	0
50144200	Stone Cutting & Carving Occ.	0	0	0
50144400	Tailors	25	5	20
50144600	Upholstering Occupations	10	0	10
50144601	Furniture Upholsterers	10	0	10
50144699	All Other Upholstering Occ.	0	0	0
50144800	Craft & Kindred Workers n.e.c.	320	140	180
50144821	Maintenance Repairers, Gen. Util.	145	65	80
50144899	All Other Skilled Craft Wkrs.	175	75	100
61000000	Operatives Ex. Transportation	1,945	185	1,760
61020000	Semiskilled Metalworking Ops.	305	5	300
61020200	Drill Press Ops.	20	-5	25

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DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Operatives Ex. Transporatation (Cont'd.)				
61020400	Furnace Tndrs., Smelters, Pourers	5	0	5
61020404	Casters, Finished or Semifinished Prod.	0	0	0
61020435	Pourers, Metal	0	0	0
61020436	Furnace Operators, Cupola Tenders	5	0	5
61020600	Grinding/Abrading Mach. Ops., Metal	15	-15	30
61021000	Lathe, Milling Mach. Ops.	25	-10	35
61021006	Lathe Machine Operators, Metal	20	-5	25
61021007	Milling/Planning Mach. Ops	5	-5	10
61021099	All Other Lathe, Milling Mach. Ops.	0	0	0
61021200	Metal Platers	35	10	25
61021201	Electroplaters	30	10	20
61021202	Dip Platers, Nonelectrolytic	5	0	5
61021400	Other Precision Mach. Ops.	50	5	45
61021402	Machine Tool Operators, Combo.	35	5	30
61021403	Machine Tool Operators, Num. Control	10	0	10
61021404	Wood Machinists	0	0	0
61021405	Machine Tool Ops., Tool Room	5	0	5
61021600	Power Press Operatives	60	-5	65
61021609	Punch Press Ops., Metal	50	-5	55
61021610	Punch Press Ops., Plastic	5	0	5
61021611	Power Brake, Bending Mach. Ops., Met.	5	0	5
61022000	Welders & Flamecutters	95	25	70
61040000	Semiskilled Textile Operatives	135	-35	170
61040200	Carding, Lapping, Combing Ops.	5	0	5
61040202	Card Tenders, Comber Tenders, Etc.	5	0	5
61040299	All Other Carding, Lapping, Combing Ops.	0	0	0
61040400	Knitters, Loopers & Toppers	5	-5	10
61040403	Knitting Machine Operators	5	-5	10
61040409	Warp Knitting Mach. Ops	0	0	0
61040600	Spinners, Twisters	85	-15	100
61040601	Beam Warptenders &/or Beamers	10	0	10
61040604	Bobbin Winders, Mach/Sewing Mach.	5	0	5
61040606	Creelers Yarn	5	0	5
61040607	Doffers	5	0	5
61040608	Dresser Tenders	0	0	0
61040610	Quilling Mach. Operators	5	0	5
61040612	Spinners Frame	5	-5	10
61040613	Threaders, Knitgoods	0	0	0
61040615	Twister Tenders	10	-5	15
61040616	Warp Tying Mach. Tenders	0	0	0
61040617	Winder Operators, Automatic	10	0	10
61040618	Yarn Winders	20	-5	25

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MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Operatives Ex. Transportation (Cont'd.)				
61040619	Spooler Operators, Automatic	5	0	5
61040699	All Other Spinners, Twisters & Winders	5	0	5
61040800	Weaving Occupations	10	-10	20
61040802	Smash Hands	0	0	0
61040804	Weavers	10	-10	20
61041000	Other Textile Occupations	30	-5	35
61041008	Cloth Feeders &/or Back Tenders	5	0	5
61041009	Cloth Finishing Range Tndrs., Mdle.	5	0	5
61041010	Cloth Finishing Range Ops., Chiefs	5	0	5
61041011	Cloth Printers	5	0	5
61041025	Tenter Frame Operators	0	-5	5
61041028	Folders, Hand	5	0	5
61041099	All Other Textile Occupations	5	0	5
61060000	Semiskilled Packing, Inspecting Ops.	185	10	175
61060200	Checkers, Examiners, Etc. Mfg.	5	0	5
61060400	Graders & Sorters, Mfg.	5	0	5
61060800	Packers, Wrappers, Ex. Meat & Produce	175	10	165
61060802	Production Packagers	155	10	145
61060804	Baggers	15	0	15
60160807	Wrapping Mach. Ops.	5	0	5
61080000	Other Operatives, Ex. Transport.	1,320	205	1,115
61080400	Assemblers	345	50	295
61080415	Wirers, Electronic	10	0	10
61080416	Coil Finishers	5	0	5
61080419	Assemblers	185	35	150
61080436	Machine Assemblers	0	-10	10
61080437	Instrument Makers/Assemblers	30	5	25
61080438	Elec. Mech. Equip. Assemblers	10	0	10
61080439	Elec. & Electronic Assemblers	80	20	60
61080440	All Other Assemblers	25	0	25
61081000	Surveyor Helpers	5	5	0
61081200	Clothing Ironers & Pressers	45	15	30
61081201	Pressers, Hand	5	0	5
61081202	Pressers, Machine	10	5	5
61081203	Pressers, Mach. Laundry	30	10	20
61081400	Cutting Operators, n.e.c	15	0	15
61081403	Cutters, Machine	5	0	5
61081424	Diecutters, Clicking Mach. Ops.	5	0	5
61081459	Shear &/or Slitter Ops., Met.	5	0	5
61081499	All Other Cutting Ops., n.e.c.	0	0	0

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MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Operatives Ex. Transportation (Cont'd.)				
61081600	Sewers Custom	20	5	15
61082000	Dry Wall Installers, Lathers	5	0	5
61082001	Drywall Applicators	5	0	5
61082003	Tapers	0	0	0
61082200	Dyers	10	5	5
61082204	Dye Range Ops./Sp. Dye Beck Tenders	10	5	5
61082205	Dye Reel Ops., Jiggers, Pad Mach. Ops.	0	0	0
61082400	Filers, Polishers, Sanders, Buffers	70	0	70
61082401	Filers, Grinders, Buffers, Chippers	70	0	70
61082499	All Others Filers, Polishers, Sanders, Buffers	0	0	0
61082600	Garage Workers, Gas Station Attendants	20	0	20
61082603	Marine Service Station Attendants	0	0	0
61082604	Trailer Rental Attendants	0	0	0
61082605	Fuel Pump Attendants, Lubricators	10	-5	15
61082606	Tire Changers	10	5	5
61082800	Laundry, Dry Cleaning Ops., n.e.c.	60	10	50
61082801	Markers, Classifiers, Assemblers	5	0	5
61082804	Washers, Mach. &/or Starchers	20	5	15
61082806	Dry Cleaning Mach. Ops.	5	0	5
61082809	Laundry Ops., Sm. Establishments	25	5	20
61082818	Folders Laundry	5	0	5
61082899	All Other Laundry, Dry Cleaning Ops. n.e.c.	0	0	0
61083200	Meatcutters, Butchers Processing, Butchers Fish	10	5	5
61083800	Mixing Operatives	5	0	5
61084000	Oilers	5	0	5
61084200	Painters, Mfg. Articles	40	10	30
61084201	Painters, Automotive	10	5	5
61084202	Decorators, Hand	5	0	5
61084210	Painters, Production	25	5	20
61084400	Other Photo Process Workers	60	35	25
61084600	Riveters & Fasteners	0	0	0
61084800	Sailors & Deckhands	5	5	0
61085000	Sawyers	10	0	10
61085003	Cutoff Saw Operators, Ripsaw Operators, Lumber	0	0	0
61085013	Sawyers Metal	5	0	5
61086014	Sawyers Stone	0	0	0
61085099	All Other Sawyers	5	0	5
61085200	Sewers & Stitchers	80	0	80
61085205	Sewing Mach. Ops., Reg. Eqmt. Nongar.	35	5	30
61085214	Menders Cloth	15	5	10
61085215	Sewing Mach. Ops., Spec. Eqmt. Nongar	5	0	5
61085216	Sewing Mach. Ops., Spec. Eqmt. Gar.	5	0	5

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MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Operatives Ex. Transportation (Cont'd.)				
61085220	Sewing Mach. Ops., Reg. Eqmt. Garment	20	-10	30
61085400	Shoemaking Machine Ops.	0	0	0
61085600	Furnace Tenders, Stokers, Ex. Metal	20	0	20
61085800	Winding Operatives n.e.c.	55	25	30
61086000	Misc. Mach. Ops., Meat & Dairy	5	0	5
61086200	Misc. Mach. Ops., All Other Food	20	10	10
61086207	Washer &/or Separators Food	0	0	0
61086258	Doughnut Makers/Doughnut Mach. Ops.	20	10	10
61086265	Dyetank Tenders Etc.	0	0	0
61086292	Oven Operators	0	0	0
61086299	All Other Misc. Mach. Ops., All Other Fd.	0	0	0
61086600	Misc Mach. Ops., Textile Mills	5	0	5
61086601	Laminating Mach. Ops., Etc.	0	0	0
61086604	Calender Ops., Cloth Pressing	0	0	0
61086608	Coating Mach. Ops.	0	0	0
61086699	All Other Misc. Mach. Ops., Textile Mills	5	0	5
61086800	Misc. Mach. Ops., Lumber Products	5	0	5
61086818	Woodworking Mach. Ops.	5	0	5
61086899	All Other Misc. Mach. Ops., Lumber Prod.	0	0	0
61087000	Misc. Mach. Ops., Paper Allied	10	0	10
61087200	Misc. Mach. Ops., Chemical Allied	10	0	10
61087288	Chemical Operators Helpers	5	0	5
61087290	Chemical Operators	5	0	5
61087299	All Other Misc. Mach. Ops., Chem., Allied	0	0	0
61087600	Misc. Mach. Ops., Rubber Plastic	40	0	40
61087603	Rubber Mill Operators	0	0	0
61087618	Press Tenders, Rubber Goods	0	0	0
61087623	Extruder Ops., Rubber or Plastics	5	0	5
61087624	Extruder Ops. Helpers, Rub. or Plas.	0	0	0
61087633	Calander Ops., Rubber or Plastic	0	0	0
61087635	Rotation Molding Mach. Ops.	0	0	0
61087637	Vacuum Plastic Forming Mach. Ops.	0	0	0
61087645	Compr. &/or Inject. Mold Mach. Ops., Plas.	35	0	35
61087699	All Other Misc. Mach. Ops., Rubber, Plas.	0	0	0
61087800	Misc. Mach. Ops., Leather, Leather Goods.	0	0	0
61087806	Molders Fiberglass Luggage	0	0	0
61087807	Handbag Framers	0	0	0
61088000	Misc. Mach. Ops., Stone, Clay, Glass	0	0	0
61088004	Sliver Forming & Winding Ops., Etc.	0	0	0
61088099	All Other Misc. Mach. Ops., Stone, Clay, Glass	0	0	0
61088200	Misc. Mach. Ops., Primary Metals	45	10	35
61088229	Coilers, Winders &/or Spoolers	0	-5	5

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MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Operatives Ex. Transportation (Cont'd.)				
61088260	Stranding Mach. Ops.	5	0	5
61088267	Draw-Bench Operators, Tube Drawers	0	0	0
61088280	Insulating Extruding Mach. Ops.	0	-5	5
61088287	Die-Casting Mach. Ops., Setters	5	0	5
61088289	Coil Tapers, Hand or Machine	15	10	5
61088299	All Other Misc. Mach. Ops., Prim. Metals	20	10	10
61088400	Misc. Mach. Ops., Mfg., n.e.c.	40	-10	50
61088401	Screen/Stencil Printers/Setters	5	-5	10
61088406	Braiding Mach. Ops.	15	-5	20
61088407	Grinder Ops.	0	0	0
61088415	Laminators, Preforms	5	0	5
61088416	Press Ops., Plastic	5	0	5
61088419	Rubber Mold Makers	5	0	5
61088437	Insul. Wrapping/Braiding Mach. Ops.	0	0	0
61088499	All Other Misc. Mach. Ops., Mfg, n.e.c.	5	0	5
61088600	Misc. Mach. Ops., Nonmfg.	5	0	5
61088614	Tire Fabricators Repairers	5	0	5
61088699	All Other Misc. Mach. Ops., Nonmfg.	0	0	0
61088800	Operatives, n.e.c. Durable Goods	200	10	190
61088803	Bench Hand, Jewelry	120	5	115
61088805	Casters	10	0	10
61088806	Chain Makers, Hand	5	0	5
61088817	Fabricators, Plastic	0	0	0
61088818	Finishers, Hand	5	0	5
61088834	Plater Helpers	50	10	40
61088849	Wax Pattern Workers	10	0	10
61088850	Wire Drawers	0	-5	5
61088899	All Other Operatives, n.e.c., Dur. Goods	0	0	0
61089000	Operatives, n.e.c., Non. Dur. Goods	35	5	30
61089032	Luggage Makers	20	0	20
61089078	Casters, Plastic	0	0	0
61089095	Press Assistants & Feeders	5	0	5
61089097	Mailers	10	5	5
61089099	All Other Ops., n.e.c., Non. Dur. Goods	0	0	0
61089200	Operatives, n.e.c. Nonmfg.	15	10	5
61089204	Exterminators	10	5	5
61089210	Termite Treaters	5	5	0
62000000	Transportation Equip. Operatives	610	200	410
62000200	Motor Boat Operators	0	0	0
62000400	Bus Drivers	175	45	130
62000401	Bus Drivers	55	10	45
62000402	Bus Drivers, School	120	35	85

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Transportation Equipment Operatives (Cont'd.)				
62000800	Delivery & Route Workers	140	55	85
62000801	Delivery & Route Wkrs.	140	55	85
62000802	Furniture Assemblers & Installers	0	0	0
62001000	Fork Lift, Tow Motor Ops.	20	-10	30
62001400	Parking Lot Attendants	15	5	10
62001600	Railroad Brake Operators	0	0	0
62002000	Taxicab Drivers, Chauffeurs	35	10	25
62002001	Ambulance Drivers/Amb. Attendants	10	5	5
62002004	Taxi Drivers	5	0	5
62002007	Chauffeurs	20	5	15
62002200	Truck Driving Occupations	225	95	130
63000000	All Other Ops. & Semiskilled Workers	250	0	250
70000000	Service Workers	5,935	1,885	4,050
70020000	Cleaning Service Workers	1,225	290	935
70040000	Food Service Workers	2,270	775	1,495
70040200	Bakers, Bread &/or Pastry	20	5	15
70040400	Bartenders	230	80	150
70040600	Dining Room Attendants, Bar Helpers, Etc.	45	35	10
70040800	Cooks, Ex. Private	325	105	220
70040802	Cooks, Short Order, Spec. Fast Food	95	25	70
70040803	Cooks, Restaurant	150	65	85
70040804	Cooks, Institutional	80	15	65
70041400	Butchers &/or Meat Cutters, Retail	15	-5	20
70041600	Waiters &/or Waitresses	565	205	360
70041601	Host/Hostess Rest., Lnge, Cof. Shop	40	20	20
70041602	Waiters &/or Waitresses	525	185	340
70041800	Food Workers, n.e.c., Ex. Private	1,070	350	720
70041802	Kitchen Helpers	435	120	315
70041804	Food Prep. & Serv. Wkrs., Fast Fd. Rest.	270	120	150
70041805	Pantry, Sandwich &/or Coffee Makers	20	5	15
70041899	All Other Food Service Workers	345	105	240
70060000	Health Service Workers	665	235	430
70060400	Health Aides, Ex. Nursing	0	0	0
70061000	Nursing Assistant Occupation	665	235	430
70061010	Nurses Aide/Orderlies	540	190	350
70061011	Psychiatric Aides	80	20	60
70061013	Medical Assistants	45	25	20
70080000	Personal Service Workers	725	220	505
70080800	Attendants, Recreation & Amusement	15	5	10
70080401	Recreation Facility Attendants	0	0	0
70080402	Game Ops., Ride Ops., Concess. Wkrs.	5	0	5
70080407	Lifeguards	10	5	5

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Service Workers (Cont'd.)				
70080600	Attendants, Personal Service, n.e.c.	205	60	145
70080608	Guides, Travel	20	5	15
70080611	Instructors, Reducing	55	15	40
70080616	Housekeepers, Hotel & Motel	100	35	65
70080618	Checkroom & Locker Room Attendants	10	0	10
70080619	Guides, Sightseeing or Establishment	20	5	15
70080699	All Other Attendants, Personal Svc. n.e.c.	0	0	0
70080800	Baggage Porters & Bellhops	5	5	0
70081000	Barbers	65	5	60
70081600	Childcare Workers, Ex. Private	260	85	175
70082000	Hairdressers, Cosmetologists	140	55	85
70082600	School Monitors	0	0	0
70082800	Ushers, Lobby Attns., Ticket Takers	15	0	15
70083000	Social Service Aides	20	5	15
70100000	Protective Service Workers	810	250	560
70100200	Crossing Guards, Bus Monitors	85	70	15
70100400	Firefighting Occupations	45	15	30
70100401	Fire Fighters	35	10	25
70100402	Fire Officers &/or Inspectors	10	5	5
70100600	Guards	610	145	465
70100601	Guards & Doorkeepers	540	135	405
70100602	Checkers Fitting Room	10	0	10
70100606	Fish & Game Wardens	0	0	0
70100607	Correction Officers &/or Jailers	60	10	50
70101000	Police & Detectives	65	20	45
70101002	Store Detectives	10	5	5
70101004	Police Officers	15	5	10
70101005	Police Detectives	5	0	5
70101006	Police Patrolmen/Women	35	10	25
70101099	All Other Police & Detectives	0	0	0
70101200	Sheriffs & Baliffs	5	0	5
70120000	Private Household Workers	40	5	35
70120400	Cooks, Private Households	5	0	5
70121000	Maids, Housekeepers Private Households	35	5	30
70200000	Other Service Workers	200	110	90
80000000	Laborers, Ex. Farm	1,215	210	1,005
80000200	Animal Caretakers	15	5	10
80000600	Construction Laborers, Ex. Carpenters Helper	30	10	20
80000601	Air Hammer Operators	0	0	0
80000609	Pipelayers	10	5	5
80000610	Reinforcing-Iron Workers	0	0	0
80000628	Highway Maintenance Workers	20	5	15

AVERAGE ANNUAL NUMBER OF JOB OPENINGS, BY OCCUPATION
DURING 1985-1995 PERIOD FOR RHODE ISLAND*

MATRIX CODE	OCCUPATIONAL TITLE	Net Openings	Openings Due to Growth	Openings Due to Separation
Laborers Ex. Farm (Cont'd.)				
80000629	Asphalt Rakers	0	0	0
80001000	Freight, Material Handlers	10	5	5
80001020	Conveyor Operators or Tenders	10	5	5
80001023	Work Distributor	0	0	0
80001099	All Other Freight Material Handlers	0	0	0
80001200	Garbage Collectors	15	5	10
80001400	Gardeners & Groundskeepers	155	25	130
80002000	Stock Handlers	210	75	135
80002001	Order Fillers	60	5	55
80002003	Stock Clerks, Sales Floor	150	70	80
80002400	Vechicle Washers, Equipment Cleaners	20	5	15
80002800	Other Laborers	760	80	680
80002822	Riggers	5	0	5
80002823	Helpers Trades	80	30	50
80002899	All Other Laborers & Unskilled Wkrs.	675	50	625
90000000	Farmers & Farm Workers	65	0	65
90020000	Farmers & Farm Managers	15	0	15
90020200	Farmers (Owners & Tenents)	10	0	10
90020400	Farm Managers	5	0	5
90040000	Farm Laborers, Farm Supervisors	50	0	50
90040200	Farm Supervisors	5	0	5
90040400	Farm Laborers	45	0	45

* Due to rounding, changes of less than $\pm$ 5 openings per year appear as a zero (0).

D. Potential Occupational Supply

The following table is a list of occupations in which there were 50 or more active applicants on file with the Rhode Island Job Service at the end of February 1990. An active applicant is a person who is available for referral to a job.

According to the Job Service data, there are a variety of occupations which have a substantial number of available job applicants. An occupation which has over 50 applicants shows a definite labor surplus. Although not all these applicants are unemployed, a substantial proportion of Job Service applicants are not working.

Some of the occupations on this list are not relevant to the types of training conducted under the Job Training Partnership Act (JTPA) and similar programs. However, program administrators should take note of those occupations in which there is a significant labor surplus when planning job training curricula.

OCCUPATIONS WITH 50 OR MORE JOB OPENINGS
AT THE END OF FEBRUARY 1990

D.O.T. Code	Occupational Title	Active Applicants
160.167-010	ACCOUNTANT MANAGER	54
163.167-018	SALES MANAGER	82
169.167-010	ADMINISTRATIVE ASSISTANT	120
169.167-034	OFFICE MANAGER	144
183.117-014	PRODUCTION SUPERINTENDENT	55
185.167-046	RETAIL STORE MANAGER	195
187.167-106	FOOD SERVICE MANAGER	106
201.362-030	SECRETARY	215
203.362-010	CLERK-TYPIST	50
203.362-018	TERMINAL-SYSTEM OPERATOR	55
209.562-010	GENERAL OFFICE CLERK	384
210.382-014	BOOKKEEPER I	145
237.367-038	RECEPTIONIST	155
273.353-010	AIRCRAFT SALES REPRESENTATIVE	51
290.477-014	SALES CLERK	54
311.477-026	FORMAL WAITER/WAITRESS	78
311.477-030	INFORMAL WAITER/WAITRESS	98
312.474-010	BARTENDER	69
313.361-014	RESTAURANT COOK	130
318.687-010	KITCHEN HELPER	87
355.674-014	NURSE AIDE	163
372.667-034	SECURITY GUARD	74
381.687-014	COMMERCIAL CLEANER	128
408.687-014	LANDSCAPE LABORER	131
556.382-014	INJECTION-MOLDING-MACHINE OPERATOR	58
600.280-022	GENERAL MACHINIST	85
616.360-018	MACHINE OPERATOR I	131
620.261-010	AUTOMOBILE MECHANIC	144
690.685-014	ASSEMBLY-PRESS OPERATOR	79
700.131-018	JEWELRY DEPARTMENT SUPERVISOR	53
700.687-058	JEWELRY POLISHER	70
726.684-018	ELECTRONICS ASSEMBLER	61
729.687-010	ELECTRICAL ACCESSORIES ASSEMBLER	84
739.687-030	SMALL PRODUCTS ASSEMBLER	87
787.682-046	SEWING-MACHINE OPERATOR	57
807.381-010	AUTOMOBILE-BODY REPAIRER	50
840.381-010	PAINTER	191
860.381-022	CARPENTER	369
866.381-010	CONSTRUCTION ROOFER	62
869.664-014	CONSTRUCTION WORKER I	275
869.687-026	CONSTRUCTION WORKER II	161
899.381-010	BUILDING MAINTENANCE REPAIRER	107
904.383-010	TRACTOR-TRAILER-TRUCK DRIVER	89
905.663-014	HEAVY TRUCK DRIVER	250
906.683-022	LIGHT TRUCK DRIVER	89
920.587-018	HAND PACKAGER	343
921.683-050	INDUSTRIAL-TRUCK OPERATOR	92
922.687-058	WAREHOUSE WORKER	274
929.687-030	MATERIAL HANDLER	266

Section 4. Recent Trends in Unemployment and Outlook for Program Year 1990

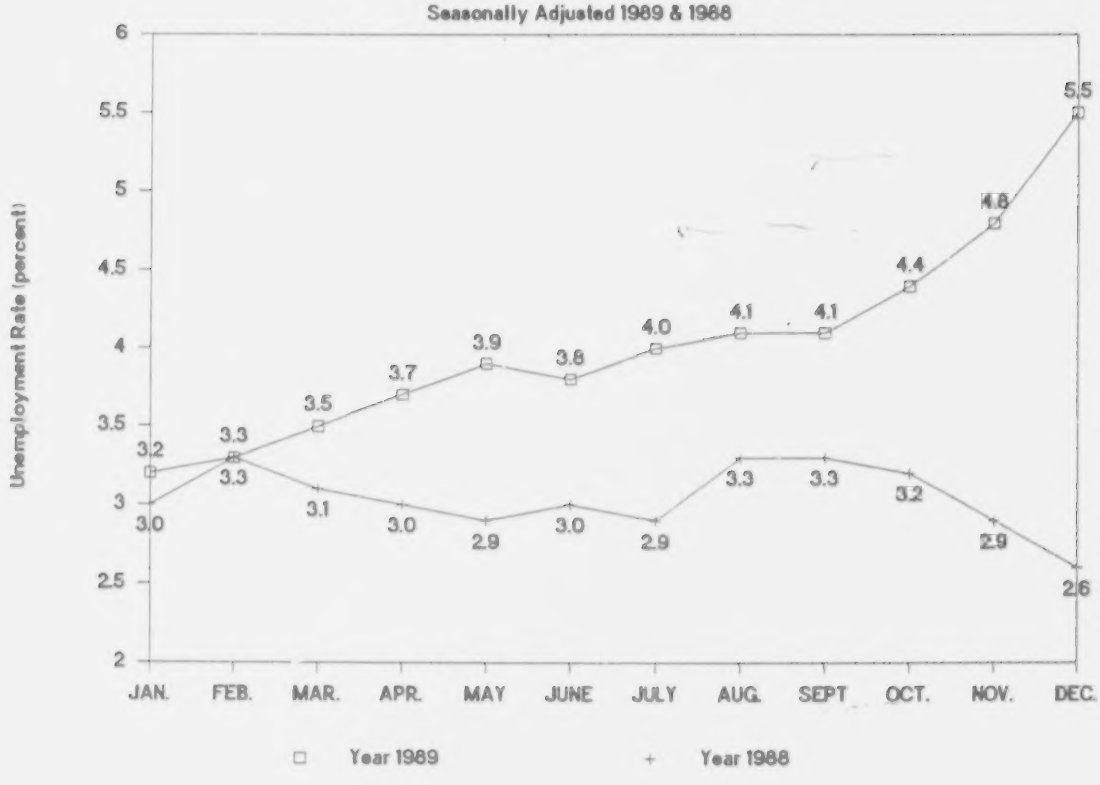
The state's total civilian labor force figure for 1989, composed of those either employed or actively seeking work, was unchanged from the 1988 level of 525,000. However, the average number of Rhode Island workers unemployed during the year rose to 21,000, an increase of 5,000 or 1.0 percent over the 1988 annual average of 16,000. As a result, the state's average unemployment rate rose from its post World War II low of 3.0 percent in 1988 to an average of 4.0 percent for calendar year 1989.

The state's jobless total for each month of 1989 was above its respective 1988 figure. The number of unemployed reached its highest level in December climbing to 26,300 while the unadjusted rate was estimated at 5.0 percent. On a seasonally adjusted basis, the monthly unemployment rate rose steadily during the first five months of the year, leveled off during the summer months and then rose sharply during the fall reaching an estimated 5.5 percent in December.

The state's unemployment rate continued its sharp rise in the first three months of 1990 before improving modestly in April. The slowdown in the state's economy is expected to continue into Program Year 1990 (July 1990 to June 1991) and should result in an average state unemployment rate in the range of 6.0 to 6.5 percent for the Program Year.

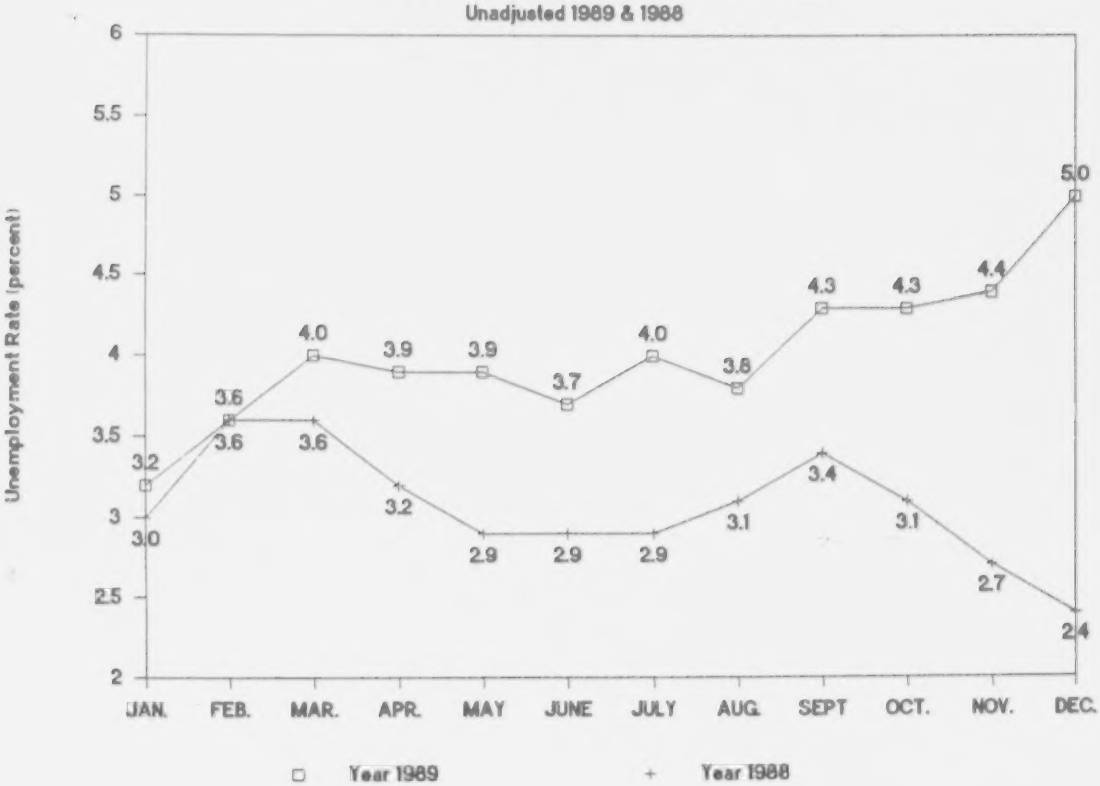
R.I. UNEMPLOYMENT RATE

Seasonally Adjusted 1989 & 1988



R.I. UNEMPLOYMENT RATE

Unadjusted 1989 & 1988



RHODE ISLAND LABOR FORCE STATISTICS

1 9 9 0

Month	EMPLOYMENT	UNEMPLOYMENT	LABOR FORCE	UNEMPLOYMENT RATE	
				Unadjusted	Seasonally Adjusted
January	492,700	33,700	526,400	6.4%	6.4%
February	484,200	37,900	522,100	7.3%	6.7%
March	480,600	42,900	523,400	8.2%	7.0%
April	487,400	37,300	524,800	7.1%	6.7%
May					
June					
July					
August					
September					
October					
November					
December					
Annual Average					

UPDATED FIGURES MAY BE OBTAINED BY CALLING THE LABOR MARKET INFORMATION UNIT AT 277-3706.

NOTE: Data for current month is PRELIMINARY; prior month has been REVISED. Numbers may not add due to rounding.

SOURCE: R.I. Department of Employment and Training

(Rev. 2/90)

RHODE ISLAND LABOR FORCE STATISTICS

1 9 8 9

Month	EMPLOYMENT	UNEMPLOYMENT	LABOR FORCE	UNEMPLOYMENT RATE	
				Unadjusted	Seasonally Adjusted
January	496,900	16,400	513,300	3.2%	3.2%
February	495,200	18,300	513,500	3.6%	3.3%
March	497,800	21,000	518,700	4.0%	3.5%
April	503,300	20,500	523,800	3.9%	3.7%
May	502,100	20,300	522,400	3.9%	3.9%
June	506,700	19,200	525,900	3.7%	3.8%
July	511,300	21,500	532,700	4.0%	4.0%
August	512,200	20,200	532,400	3.8%	4.1%
September	506,800	22,500	529,300	4.3%	4.1%
October	505,500	22,500	528,000	4.3%	4.4%
November	508,400	23,500	531,900	4.4%	4.8%
December	501,800	26,300	528,100	5.0%	5.5%
Annual Average	504,000	21,000	525,000	4.0%	----

SOURCE: R.I. Department of Employment and Training

(Rev. 2/90)

RHODE ISLAND LABOR FORCE STATISTICS

1 9 8 8

Month	EMPLOYMENT	UNEMPLOYMENT	LABOR FORCE	UNEMPLOYMENT RATE	
				Unadjusted	Seasonally Adjusted
January	496,200	15,500	511,700	3.0%	3.0%
February	488,600	18,000	506,600	3.6%	3.3%
March	495,700	18,600	514,300	3.6%	3.1%
April	501,500	16,400	517,900	3.2%	3.0%
May	507,500	15,000	522,500	2.9%	2.9%
June	511,400	15,100	526,500	2.9%	3.0%
July	516,600	15,300	531,900	2.9%	2.9%
August	523,000	16,800	539,800	3.1%	3.3%
September	514,700	18,100	532,700	3.4%	3.3%
October	516,400	16,600	532,900	3.1%	3.2%
November	520,400	14,200	534,500	2.7%	2.9%
December	516,100	12,600	528,700	2.4%	2.6%
Annual Average	509,000	16,000	525.000	3.0%	----

SOURCE: R.I. Department of Employment and Training

Section 5. Characteristics of the Insured Unemployed

The average number of insured unemployed (persons collecting regular Unemployment Insurance benefits) increased by 2,261 from 11,176 in 1988 to 13,437 in 1989. This annual upturn was characterized by an increase in the number of both males (1,392 or 21.9 percent) and females (869 or 18.0 percent).

Among industry groupings, trade showed the largest annual increase in insured unemployment, followed by contract construction, manufacturing, service, the "all other" industries and finance, insurance and real estate. Conversely, transportation and public utilities registered the only downturn over the previous year in the number of insured unemployed.

Within the occupational skills categories, the most substantial increase in the insured unemployed was recorded in clerical and sales, followed by structural work, professional, technical and managerial occupations, and service occupations. Bench work, forestry, fishery, and related occupations, miscellaneous occupations, machine trades and processing also registered annual gains. There were no annual decreases reported in the occupational skills categories for 1989.

CHARACTERISTICS OF INSURED UNEMPLOYED
ANNUAL AVERAGE - 1989 AND 1988

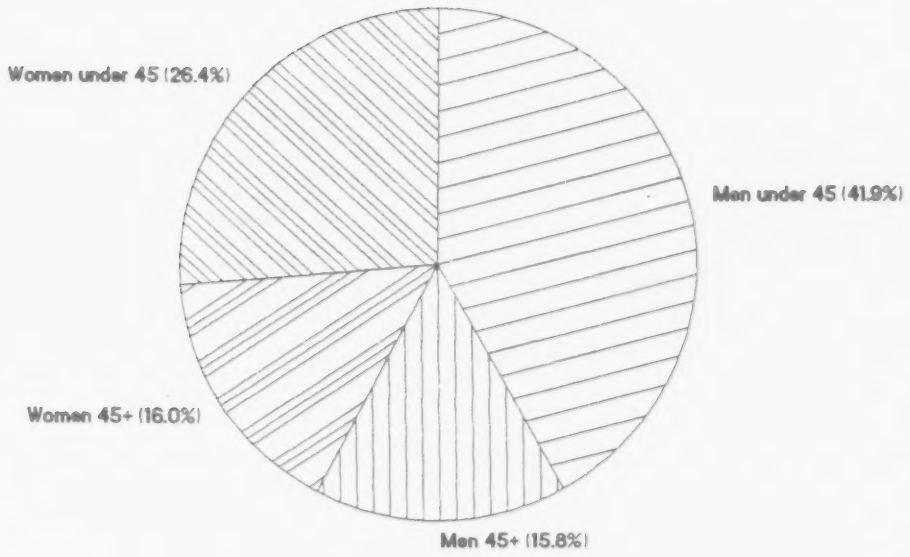
	1989		1988	
	NUMBER	Percent	NUMBER	Percent
SEX AND AGE				
TOTAL	13,437	100.0%	11,176	100.0%
Men	7,748	57.7%	6,356	56.9%
Under 45	5,629	72.7%	4,364	68.7%
45 and over	2,119	27.3%	1,992	31.3%
Women	5,689	42.3%	4,820	43.1%
Under 45	3,542	62.3%	2,844	59.0%
45 and over	2,147	37.7%	1,976	41.0%
INDUSTRY ATTACHMENT				
Total All Industries	13,437	100.0%	11,176	100.0%
Contract Construction	2,347	17.5%	1,830	16.4%
Manufacturing	4,349	32.4%	3,999	35.8%
Transportation & Public Utilities	623	4.6%	649	5.8%
Trade	2,303	17.1%	1,549	13.9%
Finance, Insurance, & Real Estate	459	3.4%	450	4.0%
Service	2,053	15.3%	1,713	15.3%
All Other	1,303	9.7%	986	8.8%
OCCUPATIONAL SKILLS				
Total All Industries	13,437	100.0%	11,176	100.0%
Prof., Tech., and Mgr.	2,248	16.7%	1,723	15.4%
Clerical and Sales	2,744	20.4%	2,031	18.2%
Service	1,110	8.3%	791	7.1%
Forestry, Fishery, and Related	331	2.5%	225	2.0%
Processing	383	2.9%	327	2.9%
Machine Trades	1,210	9.0%	1,119	10.0%
Bench Work	1,524	11.3%	1,417	12.7%
Structural Work	2,630	19.6%	2,120	19.0%
Miscellaneous	1,255	9.3%	1,153	10.3%
Not Available	2	0.0%	270	2.4%

NOTE: Percentages may not add to 100.0% due to rounding

SOURCE: R.I. Department of Employment and Training

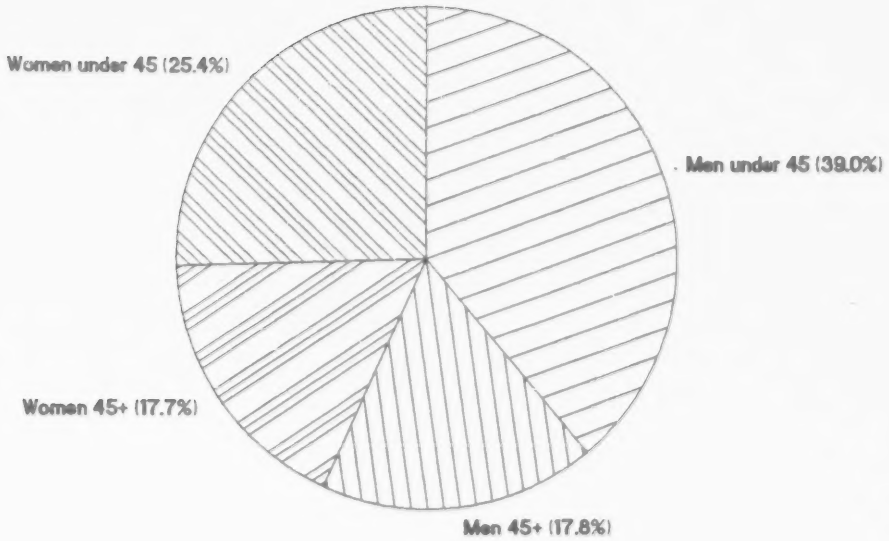
CHARACTERISTICS OF INSURED UNEMPLOYED

Sex and Age - 1989



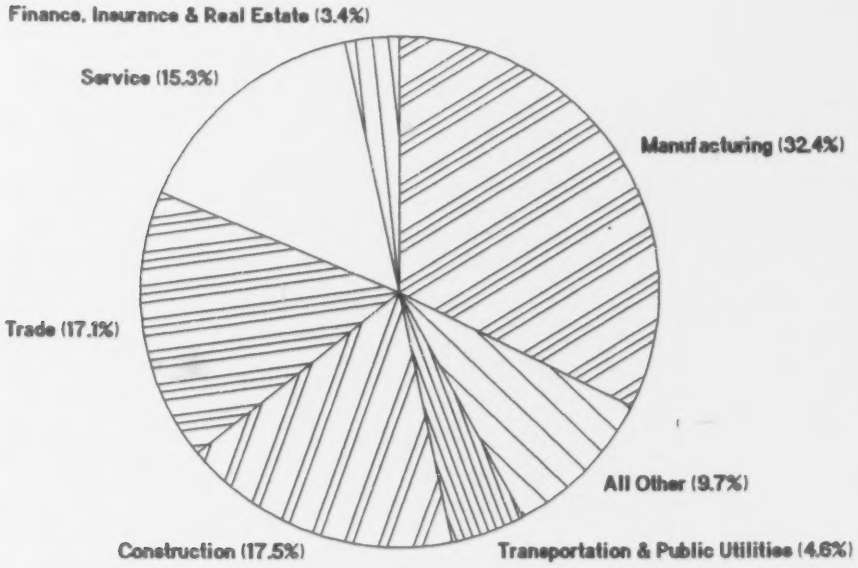
CHARACTERISTICS OF INSURED UNEMPLOYED

Sex and Age - 1988



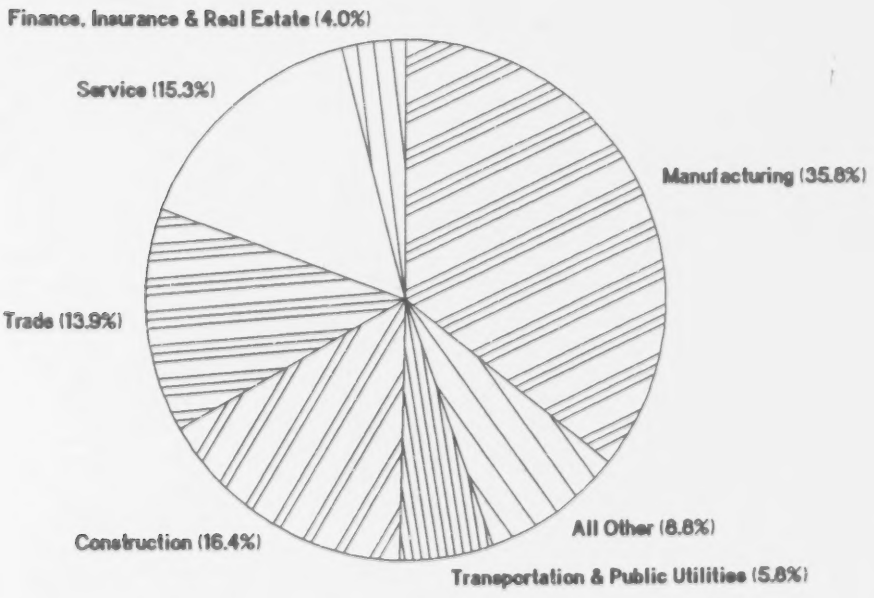
CHARACTERISTICS OF INSURED UNEMPLOYED

Industry Attachment - 1989



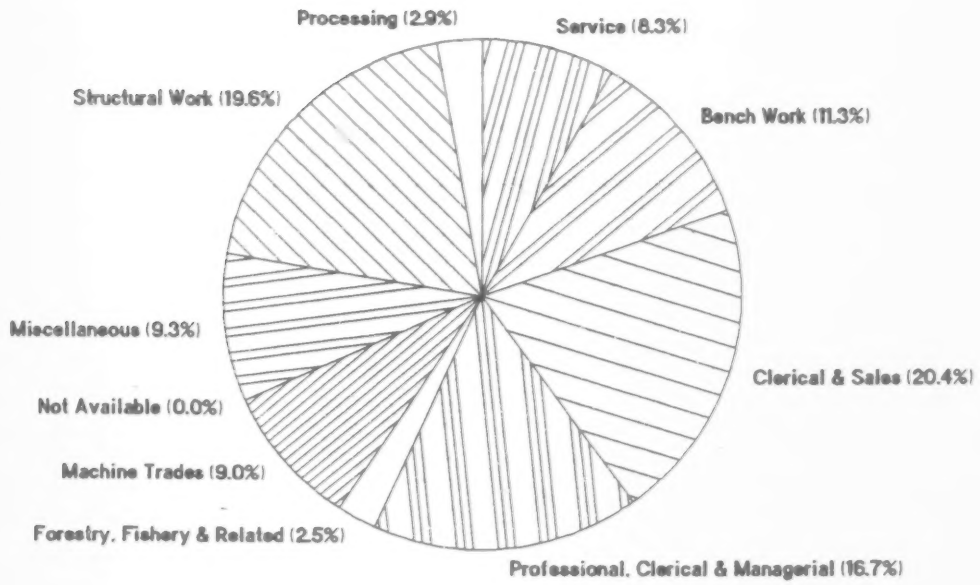
CHARACTERISTICS OF INSURED UNEMPLOYED

Industry Attachment - 1988



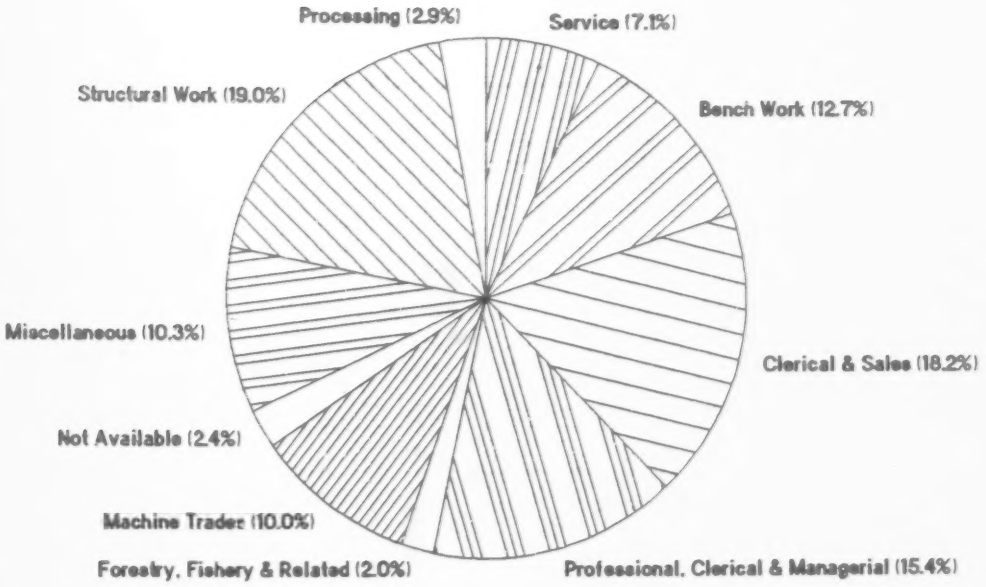
CHARACTERISTICS OF INSURED UNEMPLOYED

Occupational Skills - 1989



CHARACTERISTICS OF INSURED UNEMPLOYED

Occupational Skills - 1988



- APPENDIX -

SOURCES OF DATA

Population totals and characteristics for 1970 and 1980 were obtained from the 1970 and 1980 Census of Population and Housing. Population estimates for 1990 and projections for the year 2000 were obtained from the Rhode Island Division of Statewide Planning. Population estimates for 1988 were obtained from the U.S. Bureau of the Census, Report P-26.

Operating statistics, establishment employment data, and unemployment estimates prepared by the Rhode Island Department of Employment and Training were the major sources of current data. Unemployment estimates are prepared in accordance with the methodology required by the Bureau of Labor Statistics, U.S. Department of Labor.

Data on job openings was obtained from Job Bank summary tables.

Technical Notes and Explanatory Material

The employment and unemployment information in this report was compiled by the Labor Market Information Unit of the Rhode Island Department of Employment and Training affiliated with the Employment and Training Administration and the Bureau of Labor Statistics, U.S. Department of Labor. Data in the report is based in part on current survey data collected from a sample of local employers, as well as information developed in the course of the normal operations of the Job Service and Unemployment Insurance Programs operated by the Rhode Island Department of Employment and Training.

An explanation of some of the technical terminology of various items discussed in the report is presented on the following pages.

Establishment Employment

Nonagricultural wage and salary establishment employment refers only to employees on establishment payrolls during the sample week in each month (week including the 12th), and excludes self-employed, unpaid family workers, domestic workers, agricultural workers, and workers involved in labor-management disputes. Nonagricultural wage and salary employment figures relate to place of work of the workers and not to their place of residence. To the extent that multiple job holding exists during the payroll period, the establishment payroll records may count a person more than once. In addition, the payroll data includes incommuters who live outside the state, but no outcommuters who work outside the state.

LABOR FORCE ESTIMATES

Unemployment data included in this report for the State of Rhode Island are conceptually comparable with those released by the U.S. Department of Labor each month for the country as a whole. However, they are developed on the basis of a different procedure.

Currently, the Bureau of Labor Statistics (BLS) produces labor force estimates for the Nation and for the 11 largest states directly from the Current Population Survey (a sample of households throughout the country). Until 1989, unemployment statistics for the other 39 states were based on data from Unemployment Insurance programs. However, these estimates were not comparable from state to state because of differences in these programs.

Beginning in January 1989, the Bureau shifted to a new method of calculating monthly employment/unemployment estimates for the 39 states, including Rhode Island. The new method uses time series regression models which permit use of Current Population Survey (CPS) data, Current Employment Statistics (CES) data and Unemployment Insurance (U.I.) data in a more accurate and reliable manner. Two estimating equations are used for each state, one for employment and the other for the unemployment rate. Both models automatically adjust to structural change in the state's economy. Once the data are incorporated into the

models for the month, the unemployment rate and labor force estimates are calculated. The unemployment rate represents the number of unemployed workers as a percent of the civilian labor force. Civilian labor force is the sum of all employed persons (exclusive of the Armed Forces), the unemployed, and persons involved in labor-management disputes.

Job Openings and Job Applicants

The information on job openings and job applicants found in this report is based upon data on job openings listed and applicants registered for work with the Rhode Island Job Service. While such openings are in general reasonably representative of the kinds of occupations in demand in the state, Job Service unfilled openings (the total of employer orders which are on file and which have not been filled as of a particular day) may understate needs in some occupations for which hiring is normally handled through other channels such as union hiring halls. Openings unfilled for one month or more are generally considered hard-to-fill.

Job applicants registered with the Job Service are reasonably representative of the available worker supply in most occupational categories. These job seekers include unemployed persons, new and re-entrants to the labor force, and currently employed workers seeking a job change.

PAWTUCKET-WOONSOCKET-ATTLEBORO PMSA

ESTABLISHMENT EMPLOYMENT

CALENDAR YEAR 1990

(In Thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
NONAGRICULTURAL WAGE & SALARIED EMPLOYMENT	132.1	132.0	132.4	132.3	132.3	132.6							
GOODS PRODUCING	54.2	53.8	53.7	53.3	53.2	53.2							
MANUFACTURING EMPLOYMENT	49.3	49.2	49.0	48.4	48.0	48.2							
Textiles	4.9	4.9	5.0	4.9	4.8	4.9							
Primary Metal Industry	4.4	4.3	4.3	4.3	4.2	4.2							
Fabricated Metal Products	5.1	5.0	5.0	4.9	4.9	4.8							
Jewelry-Silverware	8.1	8.2	8.0	7.9	7.9	7.8							
All Other Manufacturing	26.8	26.8	26.7	26.4	26.2 *	26.5							
CONTRACT CONSTRUCTION	4.9	4.6	4.7	4.9	5.2	5.0							
SERVICE PRODUCING	77.9	78.2	78.7	79.0	79.1	79.4							
Trans., Comm. & Public Utilities	3.9	3.8	3.9	3.9	3.9	3.9							
Wholesale & Retail Trade	33.9	34.2	34.6	34.5	34.5	34.8							
Finance, Insurance & Real Estate	3.9	4.0	4.0	4.0	4.0	4.0							
Service, except domestic	26.1	26.1	26.1	26.5	26.7	26.7							
Government	10.1	10.1	10.1	10.1	10.0	10.0							
NOT INCLUDED IN ABOVE:													
* Labor Dispute	0.0	0.0	0.0	0.0	0.1	0.0							

NOTE: Represents a count of jobs by place of work. Data for current month is PRELIMINARY, prior month has been REVISED.
Monthly data for several categories are not strictly comparable to years prior to 1988 due to industry reclassifications.

PROVIDENCE PMSA

ESTABLISHMENT EMPLOYMENT

CALENDAR YEAR 1990

(In Thousands)

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual Average
NONAGRICULTURAL WAGE & SALARIED EMPLOYMENT	328.1	328.5	328.8	329.5	330.6	331.5							
GOODS PRODUCING	83.1	83.6	83.3	83.1	83.1	83.4							
MANUFACTURING EMPLOYMENT	69.0	69.6	69.1	68.3	68.1	68.3							
Textiles	3.2	3.2	3.3	3.2	3.1	3.2							
Rubber & Misc. Plastics Products	4.5	4.5	4.5	4.4	4.4	4.4							
Primary Metal Industry	1.6	1.6	1.6	1.5	1.6	1.6							
Fabricated Metal Products	5.8	6.0	6.0	5.9	5.8	5.8							
Machinery (exc. electrical)	4.5	4.5	4.5	4.4	4.4	4.4							
Electrical Machinery	4.8	4.8	4.8	4.6	4.6	4.6							
Transportation Equipment	7.0	7.0	7.1	7.1	7.1	7.1							
Instruments	3.2	3.2	3.2	3.2	3.3	3.3							
Jewelry-Silverware	18.0	18.3	17.9	18.0	18.1	17.9							
All Other Manufacturing	16.4	16.5	16.2	16.0	15.7	16.0							
CONTRACT CONSTRUCTION	14.1	14.0	14.2	14.8	15.0	15.1							
SERVICE PRODUCING	245.0	244.9	245.5	246.4	247.5	248.1							
Trans., Comm. & Public Utilities	11.3	11.4	11.4	11.6	11.8	11.9							
Wholesale & Retail Trade	73.2	72.7	72.7	72.8	73.0	74.7							
Finance, Insurance & Real Estate	21.2	21.3	21.7	21.7	22.0	22.2							
Service, except domestic	93.9	94.0	94.3	94.9	95.1	93.8							
Government	45.4	45.5	45.4	45.4	45.6	45.5							
NOT INCLUDED IN ABOVE:													
* Labor Dispute	0.0	0.0	0.0	0.0	0.0	0.0							

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